



COPPER COMPONENTS

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Serious. Reliable. Affordable.

Our copper components

Optimum networking of numerous hardware components is one of the major factors in the success of modern businesses. Data can only be processed as fast as the cables allow it to travel. Copper technology has always offered reliable performance and represents the most affordable solution, particularly over short distances. In addition, copper components are quick and easy to install.

Over the next few pages, we will introduce a wide array of copper-based passive network solutions, including patch cable, twisted-pair installation cable and the corresponding modular adapters and plugs. We offer you flexible and pragmatic solutions suited to the even most challenging environmental conditions.

Structured Cabling //

ASSMANN Electronic GmbH offers a full range of products for copper connection solutions. The copper assortment far exceeds the minimum requirements of German, European, and international standards. The compendium was developed specifically for building cabling for telecommunications products and services. The standards cover all necessary requirements and recommendations for proper planning, installation and measurement of structured copper cabling systems.

ISO/IEC International Standards

ISO/IEC 11801:2002/Amd2:2010 Generic Cabling for Customer Premises

ANSI/TIA/EIA Standards

ANSI/TIA/EIA-568-C.0-2009

Generic Telecommunications Cabling for Customer Premises

ANSI/TIA/EIA-568-C.1-2009

Commercial Building Telecommunications Cabling Standard

ANSI/TIA/EIA-568-C.2-2009

Balanced Twisted-Pair Telecommunications Cabling and Components Standard

CENELEC EN Standards

EN 50173-1:2013

Information Technology

General Requirements

EN 50173-2:2008

Information Technology

Office Rooms

EN 50173-3:2009

Information Technology

Industrial Buildings

EN 50173-4:2008

Information Technology

Residential Buildings

EN 50173-5:2009

Information Technology

Data Centers

EN 50174-2:2010

Information Technology

Specification of a

System and Quality Assurance

EN 50174-2:2010

Information Technology

Specification of a System and

Quality Assurance

EN 50174-3:2009

Information Technology

Planning and Performing

Outdoor Installation

EN 50600-1:2013

Information Technology

General Concepts (DC)

EN 50600-2-1:2014

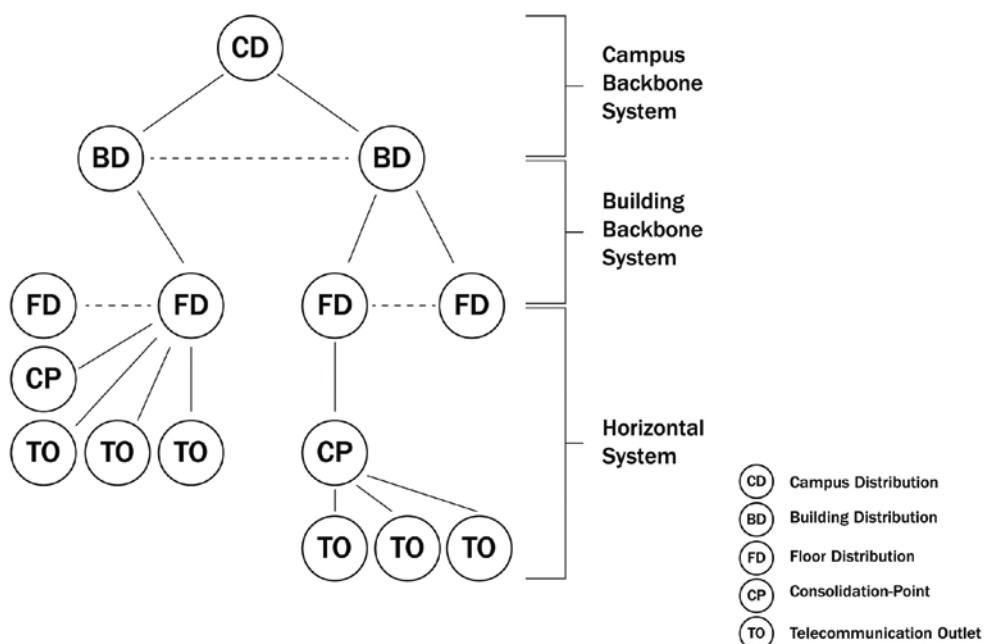
Information Technology

Building Structure (DC)

EN 50346:2004

Information Technology

Testing Installed Cables



Structured cabling (horizontal cabling) is described in detail in the following standards:

Organization	Office cabling	Data Center cabling	Industrial cabling	Home cabling
 International Organization for Standardization	ISO/IEC 11801:2002 ISO/IEC 11801:2002/Amd 2:2010	ISO/IEC 24764	ISO/IEC 24702	ISO/IEC 15018
	EN 50173-2: 2007/ A1:2011	EN 50173-5 2007/ A1:2010	EN 50173-3:2007/ A1:2010	EN 50173-4/ A1:2010
 ADVANCING GLOBAL COMMUNICATIONS	ANSI/TIA-568-C.1 2012	TIA/EIA-942	TIA/EIA-1005	TIA/EIA-570-B

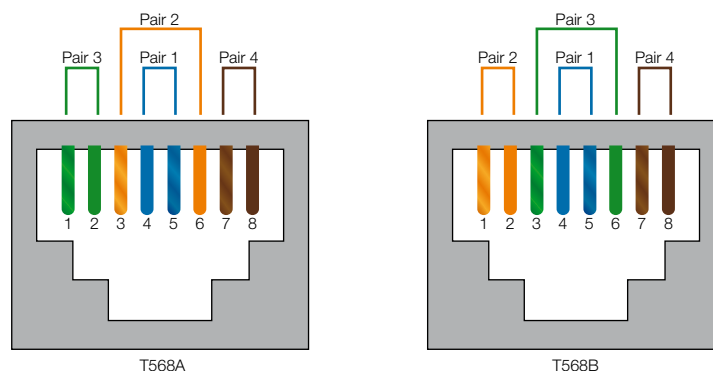
Categories and classes of structured cabling:

	100 MHz	250 MHz	500 MHz	600 MHz	1000 MHz
 ADVANCING GLOBAL COMMUNICATIONS USA	TIA/EIA 568-C.1/2 CAT 5e	TIA/EIA 568-C.2/1 CAT 6	TIA/EIA 568-C.2-10 CAT 6 _A		
 International Organization for Standardization International	ISO/IEC11801: 2nd Edition Class D	ISO/IEC11801: 2nd Edition Class E	ISO/IEC11801: 2.1 Edition Class E _A	ISO/IEC11801: 2nd Edition Class F	ISO/IEC11801: 2.1 Edition Class F _A
 Europa	CENELEC EN50173-1 Class D	CENELEC EN50173-1 Class E	CENELEC EN50173-1:2011 Class E _A	CENELEC EN50173-1 Class F	CENELEC EN50173-1:2011 Class F _A
 VERBAND DER ELEKTROTECHNISCHE ELEKTRONIK- UND INFORMATIONSTECHNIK e.V. Germany	DKE DIN EN5017-1 Class D	DKE DIN EN5017-1 Class E		DKE DIN EN5017-1 Class F	

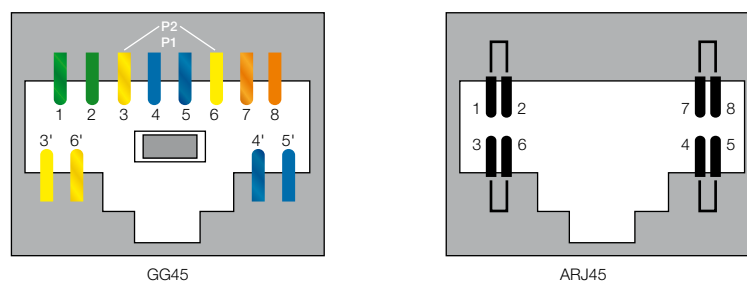
Capacity/transmission property by category:

Class	Transmission Rate	Category	Transfer Rate
Class A	100 KHz	CAT 1	Telephony
Class B	1 MHz	CAT 2	128 Kbps
Class C	16 MHz	CAT 3	10 Mbps
Class D	100 MHz	CAT 5e	100 Mbps
Class E	250 MHz	CAT 6	1 Gbps
Class E _A	500 MHz	CAT 6 _A	10 Gbps
Class F	600 MHz	CAT 7	10 Gbps
Class F _A	1000 MHz	CAT 7 _A	10 Gbps
Class I/II	1600/2000 MHz	CAT 8.1 / CAT 8.2	40 Gbps

Telecommunications sockets and multimedia sockets for copper connection systems are designed as RJ45 connections for classes D, E, and E_A. There are two different layout options:



The maximum transmission properties of classes F and F_A and categories 8.1 and 8.2 can currently only be achieved with GG45 connector faces; the ARJ45 was approved as an alternative connector face for these transmission classes with the publication of ISO/IEC 11801-1 3rd Edition. The connector face is backwards compatible with RJ45:



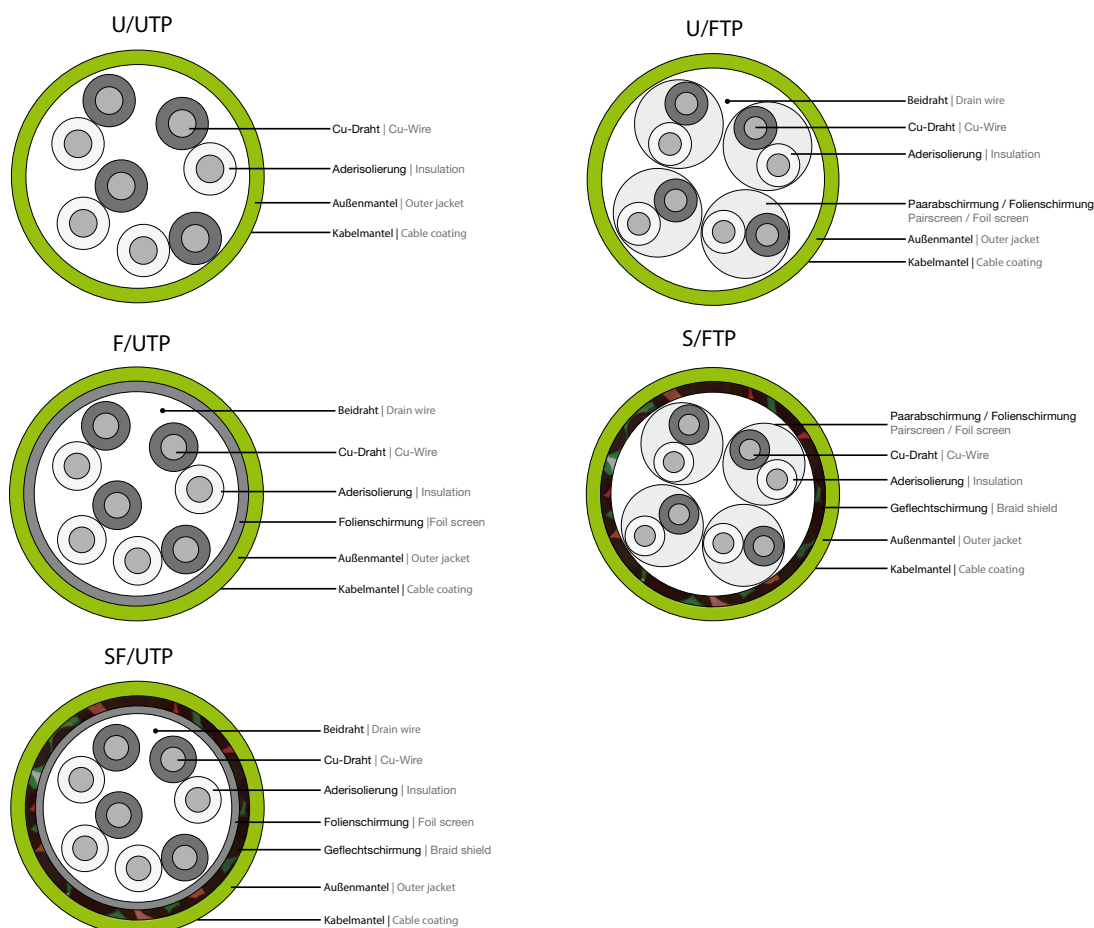
Four-pair twisted pair cables are subdivided into the following types:

U/UTP	unshielded, twisted pair cable
F/UTP	shielded, twisted pair cable; foil shield around all pairs
SF/UTP	shielded, twisted pair cable; foil shield and braided shield around all pairs
U/FTP	shielded, twisted pair cable; foil shield around every pair, with ground wire
F/FTP	shielded, twisted pair cable; foil shield around all pairs and foil shield around every pair
S/FTP	shielded, twisted pair cable; braided shield around all pairs and foil shield around every pair

Cable structure of the twisted pair cable

In accordance with EN 50173-1:2011, the twisted pair cables are specified as follows:

XX/YTA	XX stands for the outer shield, the shielding of the cable. U: no shield; F: foil shield; S: braided shield; SF: foil and braided shield.
Y	one shield for two adapter pairs (four cores). U: no shield; F: foil shield; T: twisted; A: conductor count; P: pair (two cores); Q: quadruplet (4 cores).



Unshielded cables are the most common. Shielded, twisted pair cables are primarily used in Germany, Austria, and Switzerland. Shielded cables have an overall shield and/or a pair shield. The additional shielding reduces interference, which can affect the transmission properties of the cable. Cables in category 7 or higher only attain their performance and transmission properties when shielded.

Fire protection types and fire protection standards for twisted pair cables

Current fire safety regulations do not strictly mandate the use of fire-resistant or low-halogen cables or cables containing low quantities of other pollutants that are emitted during a fire. In Germany, cables that are permanently installed in construction projects for the state, government, municipalities, public facilities, hospitals and airports are currently required through the tendering process to have a fire protection class of at least 3. A law regarding this requirement has yet to be passed.

European committees for standardization are currently working on standards and a series of parameters for cable fire protection. In the future, the European Construction Products Regulation will classify cables and wires and provide an assessment of smoke emissions and caustic effects.

ASSMANN Electronic recommends using cables with the following outer sheaths: LSOH, LS0H, LSZH, LSHF, FRNC, LSFR.

Denotation	Description
LSZH	Low smoke, zero halogen
LSF	Low smoke, fume
LS0H	Low smoke, zero(0) halogen
LSHF	Low smoke, halogen free
LSNH	Low smoke, nonhalogen
NHFR	Nonhalogen, flame retardant
HFFR	Halogen free, flame retardant
FRNC	Fire retardant, noncorrosive
LS	Low, limited smoke

Applicable standards

	International IEC Standards	German Standards	PVC Sheathed Telecommunications Cables	FRNC-C/LSFR-FR Sheathed Telecommunications Cables
Special Flame Retardant Properties of a Single Cables	IEC 60332-1	DIN VDE 0472 Part 804B	x	x
Cable Flame Spread	IEC 60332-3-24 CAT C	DIN VDE 0472 Part 804C		x
Fire Smokes Corrosivity	IEC 60754-2	DIN VDE 0472 Part 813		x
Smoke Density Measurement	IEC 61034-1	DIN VDE 0472 Part 816		x

GBit Ethernet

Gigabit Ethernet uses the Ethernet protocol, but is ten times faster than Fast Ethernet (10/100 MBit). 1000BASE-T networks use four pairs for full-duplex, two-way transmission. Every transceiver performs complex digital signal processing to reduce near-end cross talk (NEXT) and echo. There are two additional parameters that influence the performance of the channel for Gigabit Ethernet:

Return loss (RL) and far-end cross talk (FEXT).

Because every pair in a 1000Base-T network cable represents a two-way transmission, a discrepancy arises in the impedances of the components. This causes an echo, which manifests itself in the form of errors on the receiving end. Although the impedances are eliminated by the hardware, they represent a substantial percentage of the errors in the channel.

Discrepancies arise due to impedances in a connector at high frequencies. By contrast, discrepancies due to impedances between a patch cable and an installation cable arise at low frequencies.

1GBit Ethernet

1GBit Ethernet was officially adopted as the IEEE 802.3 standard for Ethernet in July 2002. This technology is a step towards improving the performance and functionality of company networks and service-provider networks. It combines Multi-Gigabit with intelligent services – intelligent Multi-Gigabit networks with network connections from 10 to 10,000 MBit.

10GBit Ethernet

10GBit Ethernet is used in service-provider networks, as well as company networks. To simplify the implementation of 10 Gigabit Ethernet in the network market, the 10GBit Ethernet Alliance was founded.

Leading companies in the network sector belong to the alliance. In addition, the alliance supports the IEEE 802.3 committee and development of the 802.3ae standard, while also promoting cooperation on 10GBit products.

Additional advantages of introducing 10GBit Ethernet include:

- Very fast connections between buildings, building groups, and connection points
- Consolidation of numerous 1000BASE-X or 1000BASE-T network segments into connections that receive 10GBit Ethernet
- Connections between switches and servers
- Connections between servers – creation of server groups

40/100GBit Ethernet

The latest technology was defined by the IEEE 802.3ba-2010 standard. The workgroup of the ISO/IEC committee specified the parameters for classes 8.I and 8.II in ISO/IEC 11801-1 3rd Edition. It serves as the basis for the category 8 standard for 40GBit Ethernet data transmission systems.

Horizontal cabling system

Horizontal cabling systems connect distribution fields in distribution points (DP) with telecommunication outlets (TO) and workstations or other devices.

The cabling systems can be installed horizontally and vertically. The horizontal cabling system consists of two elements:

1. Horizontal cables and connection components.
2. Horizontal installation options and installation spaces (mounting systems).

Installation of cable ducts

The recommended maximum occupancy for horizontal cable ducts is 53% for a single cable, 31% for two cables, and 40% for three or more cables. This allows up to two 90° curves to be installed along the cable duct. If more than two 90° curves are required, a junction box must be installed between two or fewer junctions. Every sharp-angled ending and every edge must be protected in such a way that the cables are not damaged. Cable ducts should be labeled and should have a plastic or nylon rope for pulling that is capable of supporting up to 90 kg.

Each cable should be individually and precisely labeled in accordance with ISO/IEC 11801 2nd Edition. The use of a four-pair horizontal cable for different purposes is not permitted due to signal incompatibility and/or applications that require all four pairs.

Cable occupation

If signal and power cables are situated in the same cable duct, cable branch, or cable trough, the wires must be physically separated. Details on the precise separation of cables are specified in the EN 50174-2 standard.

Horizontal cables, 90 m sections

The EN 50174-2 standard provides precise specifications of distances between low voltage and electrical systems. Furthermore, the standard contains information on what types of telecommunication cables should be used. The aforementioned standards specify recommended minimum distances for installation, and these should be taken into account. The resistance of telecommunication cables is specified as follows:

Structured network connection

The following rules apply for horizontal cable ducts and backbone-network cabling:

- The minimum allowable distance from glow-discharge lamps is 130 mm.
- The minimum allowable distance from devices that produce electric arcs is 800 mm.
- The minimum allowable distance from frequency-induction heating systems is 1,000 mm.

When running cable ducts through firewalls, the minimum distance can be reduced.

Installation at temperatures under 0°C

The minimum temperature for a cable installation is 0°C. If the cables are being installed at lower temperatures, the following safety measures should be observed to prevent cracking of the cable sheath:

The cable should be stored for 24 hours at a temperature of 10°C prior to installation. In addition, it should not be delivered to the installation site more than four hours prior to installation. This ensures that the cable will withstand the temperature and be resistant to cracks. Cables that are not installed within four hours should promptly be stored at room temperature.

Surplus cable should be rolled up with a winding diameter of 25 cm to 31 cm. This prevents cracks from developing in the cable sheath.

Minimum bend radius

Guidelines concerning minimum bend radii should be observed during installation.

Mechanical Properties		
Minimum Bend Radius	During Installation After Installation	8x $\varnothing$ 4x $\varnothing$
Temperature Range	During Operation During Installation	-20 °C to +60 °C 0 °C to +50 °C

If the minimum bend radius is exceeded, the cable geometry and transmission performance may be negatively affected.

Depending on the bend angle, it may not be possible to return the cable to its original bend radius. If a cable segment exhibits this problem, replacement is recommended. The minimum bend radius of the cable for installation is higher than for the final position when the cable is free of any tension.

There are two situations in which the minimum bend radius can be exceeded:

It may happen that after installation the excess cable is jammed in the data socket or, worse yet, coiled up and stuffed in the socket. To avoid this problem, it is recommended that the remaining cable be inserted in the wall. Furthermore, there is a danger that the cable could become sharply bent at the distribution point (network cabinet) starting at the distribution field. For this reason, cables should be installed along spacious curves without sharp bends or changes of direction.

Long-term warranty on DIGITUS® Professional products

ASSMANN Electronic GmbH stands for quality and customer satisfaction. We can therefore offer a system guarantee for passive cabling systems of DIGITUS® Professional.

System warranty for passive cabling systems

The new ASSMANN system guarantee for DIGITUS® Professional copper cabling systems:

Be carefree for the next 25 years guaranteed

The cabling infrastructure is a long-term strategic investment for any business. ASSMANN's system guarantee for DIGITUS® Professional cabling systems ensures that your installation provides a lastingly robust foundation for your data infrastructure. That's why the 25-year guarantee agreement is geared to plant owners and operators.



We certify the system, rather than the installer, as is customary in the market

As suppliers of the full array of passive building cabling components, we supervise and monitor the performance and reliability of all products we deliver. In addition, we have their efficiency certified by independent testing institutes. There is no need for specific training programmes to ensure the DIGITUS® components are properly mounted, since installation is very straightforward. Should you require training regardless, we will arrange all the necessary steps by agreement. Just get in touch.

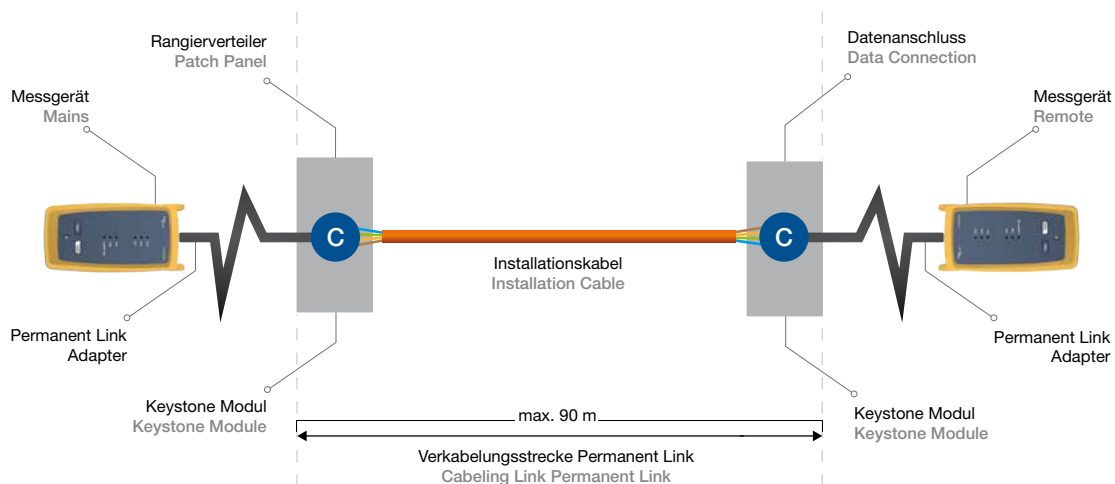
25-year system guarantee what's in it?

Together with our long-standing experience in quality assurance, confirmations issued on a regular basis by certifying organisations allow us to offer our 25-year system guarantee on passive cabling components (Permanent Link). The efficiency of our products is verified by independent testing laboratories.

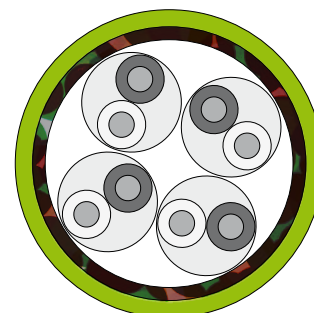
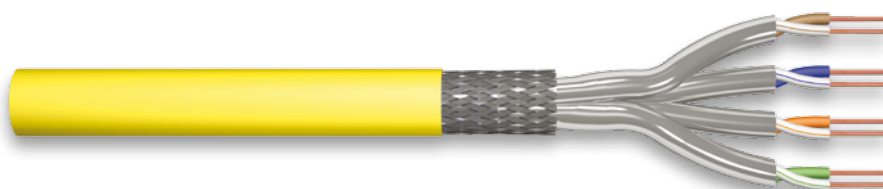
During this 25-year period, we guarantee that the cabling (Permanent Link) meets all the standards that are in force at the time of installation. This concerns the transmission characteristics under the current standard requirements as per DIN EN 50173-1 and ISO/IEC 11801 in the Permanent Link.

Should a guarantee claim arise in this period from a case of non-compliance with the transmission characteristics as stipulated by the standards in force at the time of installation, we will exchange and, if appropriate, fix the affected accessory.

Measurement Configuration Permanent Link



CAT 8.2, S/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1843-VH-5	380542	CAT 8 S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 22/1, 2000 MHz, LSZH-3, simplex, color yellow (RAL 1016)
DK-1843-VH-10	380535	CAT 8 S/FTP PiMF Installation Cable, raw, length 1000 m, drum, AWG 22/1, 2000 MHz, LSZH-3, simplex, color yellow (RAL 1016)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T; 40GBase-T
	IEEE 802.5 16 MB; ISDN; TPDDI; ATM; CATV; PoE/PoE+ (IEEE 802.3af; 3at; 3 bt)
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5; IEC 61156-9; EN 50173; EN 50288-4-1
FRNC (Flame retardancy):	IEC 60332-3-24; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 22/1, bare annealed copper, diameter 0.57 mm nominal
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	50% wire braid, copper drain wire
Outer jacket:	Halogen-free (FRNC-C/LSZH-3)
Outer jacketed diameter:	0.6 mm nominal
Color:	Yellow (RAL 1016)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.8 mm nominal
Flame retardancy:	IEC 60332-3-24
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034-2
Fire load:	620 Mj/km
Weight:	55 kg/km

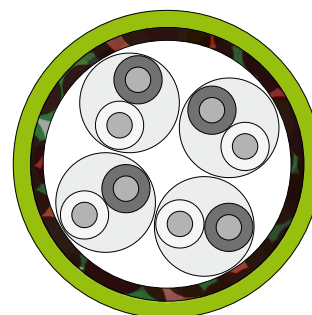
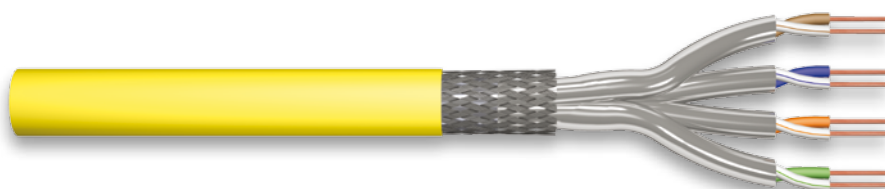
Electrical Properties

Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	43 pF/m nominal
Capacitance unbalance (pair-ground):	1.2 pF/m
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	130 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	85 dB
Signal propagation delay:	440 nS/100 m
Delay difference:	5.0 nS/100 m max.
Separating class:	"d" acc. to EN-50174-2
NVP:	79%

Transmission Properties (IEC 61156-9 (Draft 2013))

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR
MHz.	dB	dB	dB	dB	dB	dB
10	2.91	78	75	25	75.1	72.1
100	9.26	75.4	72.4	20.1	66.1	63.1
250	14.68	69.5	66.5	17.3	54.8	51.8
500	21.38	64.9	61.9	17.3	43.5	40.5
600	23.55	63.7	60.7	17.3	40.2	37.2
1000	30.96	60.4	57.4	15.1	29.4	26.4
1200	34.18	59.2	56.2	14.3	25	22
1600	40	57.3	54.3	13	17.3	14.3
2000	45.25	55.9	52.9	12.1	10.7	7.7

CAT 8.2, S/FTP, Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1841-VH-5	380559	CAT 8.2 S/FTP PiMF Installation Cable, length 500 m, drum, AWG 22/1, 2000 MHz, LSZH-1, simplex, color yellow (RAL 1016)
DK-1841-VH-10	380566	CAT 8.2 S/FTP PiMF Installation Cable, length 1000 m, drum, AWG 22/1, 2000 MHz, LSZH-1, simplex, color yellow (RAL 1016)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T; 40GBase-T
	IEEE 802.5: 16 MB; ISDN; TPDDI; ATM; CATV; PoE/PoE+ (IEEE 802.3af; 3at; 3bt)
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5; IEC 61156-9; EN 50173; EN 50288-9-1
FRNC (Flame retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 22/1, bare annealed copper, diameter 0.62 mm nominal
Insulation:	FM-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Wire braid, 50% nominal coverage, copper drain wire
Outer jacket:	Halogen-free (FRNC-B/LSZH-1)
Outer jacketed diameter:	0.6 mm nominal
Color:	Yellow (RAL 1016)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.8 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	650 MJ/km
Weight:	50 kg/km

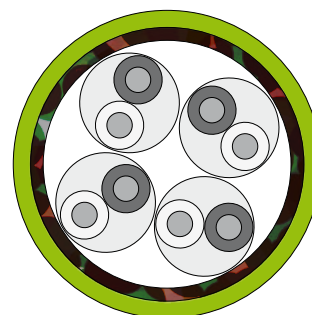
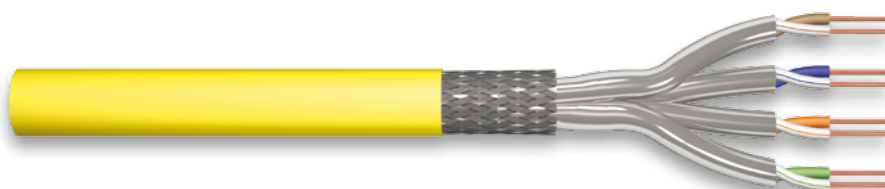
Electrical Properties

Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	43 pF/m nominal
Capacitance unbalance (pair-ground):	1.2 pF/m
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	130 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	85 dB
Signal propagation delay:	440 nS/100 m
Delay difference:	5.0 nS/100 m max.
Separating class:	"d" acc. to EN 50174-2
NVP:	79%

Transmission Properties (IEC 61156-9 (Draft 2013))

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR
MHz.	dB	dB	dB	dB	dB	dB
10	2.91	78	75	25	75.1	72.1
100	9.26	75.4	72.4	20.1	66.1	63.1
250	14.68	69.5	66.5	17.3	54.8	51.8
500	21.38	64.9	61.9	17.3	43.5	40.5
600	23.55	63.7	60.7	17.3	40.2	37.2
1000	30.96	60.4	57.4	15.1	29.4	26.4
1200	34.18	59.2	56.2	14.3	25	22
1600	40	57.3	54.3	13	17.3	14.3
2000	45.25	55.9	52.9	12.1	10.7	7.7

CAT 7_A, S/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1743-A-VH-5	363842	CAT 7 _A S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 22/1, 1500 MHz, LSZH-3, simplex, color yellow (RAL 1016)
DK-1743-A-VH-10	363859	CAT 7 _A S/FTP PiMF Installation Cable, raw, length 1000 m, drum, AWG 22/1, 1500 MHz, LSZH-3, simplex, color yellow (RAL 1016)
DK-1743-A-VH-D-5	380610	CAT 7 _A S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 22/1, 1500 MHz, LSZH-3, duplex, color yellow (RAL 1016)

Product Information

Areas of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; CATV; Broadband video; PoE/PoE+
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5
	EN 50173-1/4; EN 50288-9-1
FRNC (Flame retardancy):	IEC 60332-3-24; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 22/1, bare annealed copper, diameter 0.60 mm nominal
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100 % coverage
Overall shielding:	Wire braid, 50% nominal coverage
Outer jacket:	Halogen-free (FRNC-C/LSZH-3)
Outer jacketed diameter:	0.6 mm nominal
Color:	Yellow (RAL 1016)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	8.0 mm nominal
Flame retardancy:	IEC 60332-3-24
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	700 Mj/km
Weight:	70 kg/km

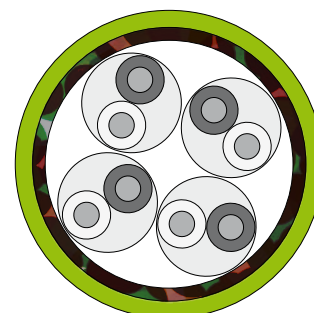
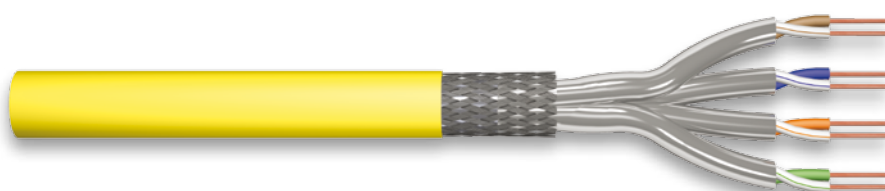
Electrical Properties

Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	80 dB
Signal propagation delay:	450 nS/100 m
Delay Difference:	10 nS/100 m max.
Separating class:	"d" acc. to EN 50174-2
NVP:	79%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT	ACR	PS ACR
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	1.6	110	107	26.1	109	106	108	105
10	4.2	110	107	32.3	109	106	106	103
100	14.4	110	107	36.2	93	90	96	93
250	24.5	105	102	34.8	83	80	81	78
500	34	105	102	31.8	70	67	71	68
600	37.7	100	97	28.5	64	61	62	59
1000	49	92	89	22.2	49	46	43	40
1200	54.9	88	85	20.2	40	37	34	31
1500	62	73	70	12.3	25	22	11	8

CAT 7_A, S/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1741-A-VH-5	275107	CAT 7A S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 22/1, 1500 MHz, LSZH-1, simplex, color yellow (RAL 1016)
DK-1741-A-VH-10	341000	CAT 7A S/FTP PiMF Installation Cable, raw, length 1000 m, drum, AWG 22/1, 1500 MHz, LSZH-1, simplex, color yellow (RAL 1016)
DK-1741-A-VH-D-5	380597	CAT 7A S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 22/1, 1500 MHz, LSZH-1, duplex, color yellow (RAL 1016)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; CATV; Broadband video; PoE/PoE+
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5
	EN 50173-1/4; EN 50288-9-1
FRNC (Flame retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 22/1, bare annealed copper, diameter 0.60 mm nominal
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Wire braid, 50% nominal coverage
Outer jacket:	Halogen-free (FRNC-B/LSZH-1)
Outer jacketed diameter:	0.8 mm nominal
Color:	Yellow (RAL 1016)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.3 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	740 MJ/km
Weight:	70 kg/km

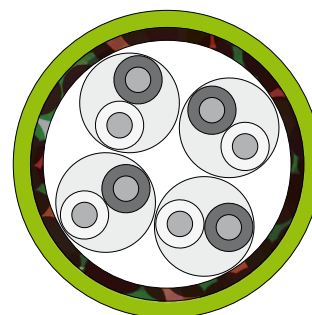
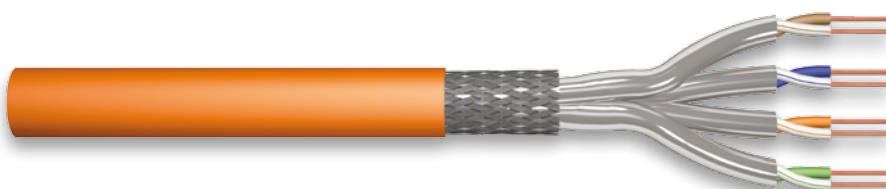
Electrical Properties

Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Phase delay:	534-36/f ^{1/2} nS/100 m max. @ f=1-1000 MHz
Signal propagation delay:	440 nS/100 m
Delay Difference:	10 nS/100 m max.
Separating class:	"d" acc. to EN 50174-2
NVP:	79%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT	ACR	PS ACR
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	1.6	110	107	26.1	109	106	108	105
10	4.2	110	107	32.3	109	106	106	103
100	14.4	110	107	36.2	93	90	96	93
250	24.5	105	102	34.8	83	80	81	78
500	34	105	102	31.8	70	67	71	68
600	37.7	100	97	28.5	64	61	62	59
1000	49	92	89	22.2	49	46	43	40
1200	54.9	88	85	20.2	40	37	34	31
1500	62	73	70	12.3	25	22	11	8

CAT 7, S/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1743-VH-5	353997	CAT 7 S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 23/1, 1200 MHz, LSZH-3, simplex, color orange (RAL 2000)
DK-1743-VH-10	300786	CAT 7 S/FTP PiMF Installation Cable, raw, length 1000 m, drum, AWG 23/1, 1200 MHz, LSZH-3, simplex, color orange (RAL 2000)
DK-1743-VH-D-5	380573	CAT 7 S/FTP PiMF Installation Cable, raw, length 500 m, drum, AWG 23/1, 1200 MHz, LSZH-3, duplex, color orange (RAL 2000)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE/PoE+
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5
	EN 50173-1; EN 50288-4-1
FRNC (Flame retardancy):	IEC 60332-3-24; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	35% wire braid, copper drain wire
Outer jacket:	Halogen-free (FRNC-C/LSZH-3)
Outer jacketed diameter:	0.7 mm nominal
Color:	Orange (RAL 2000)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.3 mm nominal
Flame retardancy:	IEC 60332-3-24
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	620 MJ/km
Weight:	50 kg/km



Electrical Properties

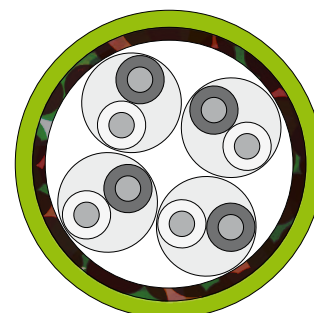
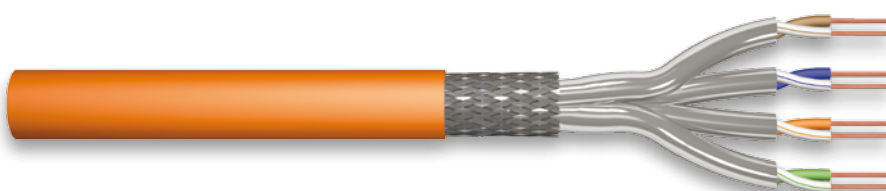
Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	80 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	15 nS/100 m max.
Separating class:	"d" acc. to EN-50174-2
NVP:	79%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT	EL TCTL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	1.8	100	97	26.6	98.2	95.2	100	97	23
10	5.4	100	97	35.3	89.6	86.6	85	82	30
100	14.4	100	97	39.6	85.6	82.6	65	62	25
250	28.1	90	87	34	61.9	58.9	57	54	23
500	40	86	83	29	46	51	50	47	23
600	44.8	84.5	81.5	25.4	39.7	36.7	49	46	23
1000	58.4	82	79	21.5	23.6	20.6	45	42	20
1200	68	80	77	20.6	12	9	40	37	18

(Installation Cable tested up to 1200 MHz)

CAT 7, S/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1741-VH-1	247449	CAT 7 S/FTP PiMF Installation Cable, length 100 m, ring, AWG 23/1, 1200 MHz, LSZH-1, simplex, color orange (RAL 2000)
DK-1741-VH-5	241324	CAT 7 S/FTP PiMF Installation Cable, length 500 m, drum, AWG 23/1, 1200 MHz, LSZH-1, simplex, color orange (RAL 2000)
DK-1741-VH-10	267508	CAT 7 S/FTP PiMF Installation Cable, length 1000 m, drum, AWG 23/1, 1200 MHz, LSZH-1, simplex, color orange (RAL 2000)
DK-1741-VH-D-1	302292	CAT 7 S/FTP PiMF Installation Cable, length 100 m, ring, AWG 23/1, 1200 MHz, LSZH-1, duplex, color orange (RAL 2000)
DK-1741-VH-D-5	247289	CAT 7 S/FTP PiMF Installation Cable, length 500 m, drum, AWG 23/1, 1200 MHz, LSZH-1, duplex, color orange (RAL 2000)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE/PoE+
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5
	EN 50173; EN 50288-4-1
FRNC (Flame retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Wire braid, 35% nominal coverage, copper drain wire
Outer jacket:	Halogen-free (FRNC-B/LSZH-1)
Outer jacket diameter:	0.6 mm nominal
Color:	Orange (RAL 2000)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.2 mm nominal simplex, 2x 7.2 mm nominal duplex
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	650 Mj/km simplex; 1300 Mj/km duplex
Weight:	50 kg/km



Electrical Properties

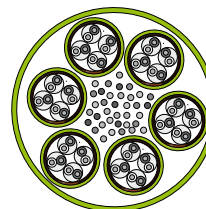
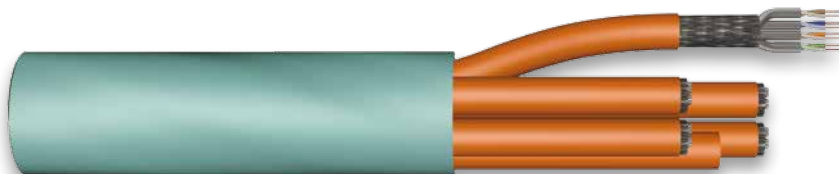
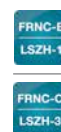
Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	80 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	15 nS/100 m max.
Separating class:	"d" acc. to EN-50174-2
NVP:	79%

Transmission Properties

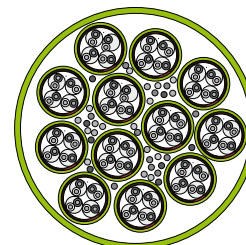
FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT	EL TCTL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	1.8	100	97	26.6	98.2	95.2	100	97	23
10	5.4	100	97	35.3	89.6	86.6	85	82	30
100	14.4	100	97	39.6	85.6	82.6	65	62	25
250	28.1	90	87	34	61.9	58.9	57	54	23
500	40	86	83	29	46	51	50	47	23
600	44.8	84.5	81.5	25.4	39.7	36.7	49	46	23
1000	58.4	82	79	21.5	23.6	20.6	45	42	20
1200	68	80	77	20.6	12	9	40	37	18

(Installation Cable tested up to 1200 MHz)

CAT 7, S/FTP Multipair Trunk Cable, raw



6 wire Trunk



12 wire Trunk

Product Number	EAN	Product Description
DK-1741-6-001-RAW	379409	CAT 7 S/FTP Multipair Trunk Cable, raw, 6 Cables, AWG 23/1, 1200 MHz, LSZH-1, color turquoise (RAL 6027)
DK-1741-12-001-RAW	311294	CAT 7 S/FTP Multipair Trunk Cable, raw, 12 Cables, AWG 23/1, 1200 MHz, LSZH-1, color turquoise (RAL 6027)
DK-1743-6-001-RAW	379416	CAT 7 S/FTP Multipair Trunk Cable, raw, 6 Cables, AWG 23/1, 1200 MHz, LSZH-3, color turquoise (RAL 6027)
DK-1743-12-001-RAW	379423	CAT 7 S/FTP Multipair Trunk Cable, raw, 12 Cables, AWG 23/1, 1200 MHz, LSZH-3, color turquoise (RAL 6027)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE/PoE+
Norms:	ISO/IEC 11801 2nd Ed.; IEC 61156-5
	EN 50173; EN 50288-4-1
FRNC (Flame retardancy):	DK-1741-x IEC 60332-1; IEC 60754-2; IEC 61034
	DK-1743-x IEC 60332-3-24; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.56 mm nominal
Insulation:	FMPE
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Wire braid, 35% nominal coverage, copper drain wire
Outer jacket diameter:	0.6 mm nominal
Outer jacket:	Halogen-free (FRNC-B/LSZH-1) // FRNC-C // LSZH-3
Outer diameter:	7.3 mm cable, 6 wires in batch: 22.0 mm, 12 wires in batch: 40.0 mm
Color:	Turquoise (RAL 6027)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Flame retardancy:	DK-1741-x IEC 60332-1
Flammwidrigkeit:	DK-1741-x IEC 60332-1 // DK-1743-x IEC 60332-3-24
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Weight:	300 kg/km (6 wire-trunk), 600 kg/km (12 wire-trunk)

**Electrical Properties**

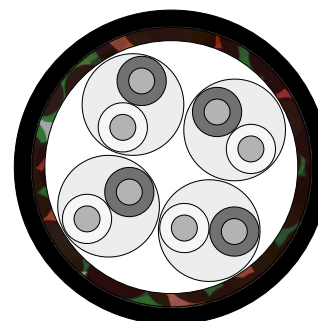
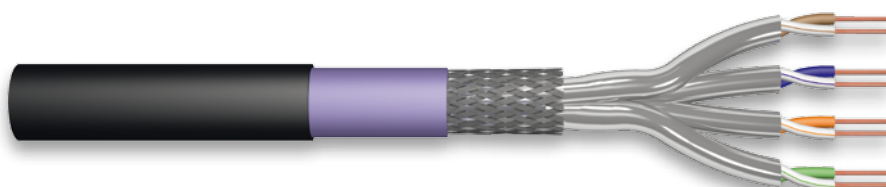
Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	80 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	15 nS/100 m max.
Separating class:	"d" acc. to EN-50174-2
NVP:	79%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT	EL TCTL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	1.8	100	97	26.6	98.2	95.2	100	97	23
10	5.4	100	97	35.3	89.6	86.6	85	82	30
100	14.4	100	97	39.6	85.6	82.6	65	62	25
250	28.1	90	87	34	61.9	58.9	57	54	23
500	40	86	83	29	46	51	50	47	23
600	44.8	84.5	81.5	25.4	39.7	36.7	49	46	23
1000	58.4	82	79	21.5	23.6	20.6	45	42	20
1200	68	80	77	20.6	12	9	40	37	18

(Installation Cable tested up to 1200 MHz)

CAT 7, S/FTP Twisted Pair Cable, raw



Product Number	EAN	Product Description
DK-1741-VH-10-OD	354130	CAT 7 S/FTP PiMF Installation Cable, raw, length 1000 m, drum, AWG 23/1, 1200 MHz, outdoor, PE, simplex, color black (RAL 9005)

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE/PoE+
Norms:	ISO/IEC 11801 2nd ed.; IEC 61156-5
	EN 50173; EN 50288-4-1

Physical Description	
Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
Insulation:	SFS-PO (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Wire braid, 35% nominal coverage
Outer jacket:	PE (Polyethylene), UV resistant; halogen-free (FRNC-B/LSZH-1)
Outer jacketed diameter:	PE 0.6 mm nominal
Color:	Black (RAL 9005)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-50 °C to +60 °C
Installation temperature range:	0 °C to +60 °C
Overall diameter:	8.5 mm nominal
Weight:	66.5 kg/km

**Electrical Properties**

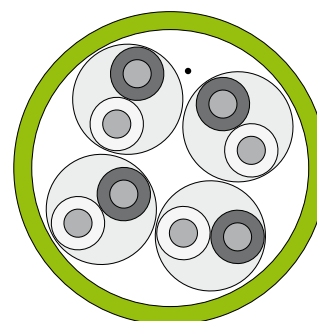
Mean impedance:	100±5 Ohm @ 1-600 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	80 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	15 nS/100 m max.
Separating class:	"d" acc. to EN-50174-2
NVP:	79%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT	EL TCTL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	1.8	100	97	26.6	98.2	95.2	100	97	23
10	5.4	100	97	35.3	89.6	86.6	85	82	30
100	14.4	100	97	39.6	85.6	82.6	65	62	25
250	28.1	90	87	34	61.9	58.9	57	54	23
500	40	86	83	29	46	51	50	47	23
600	44.8	84.5	81.5	25.4	39.7	36.7	49	46	23
1000	58.4	82	79	21.5	23.6	20.6	45	42	20
1200	68	80	77	20.6	12	9	40	37	18

(Installation Cable tested up to 1200 MHz)

CAT 6_A, U/FTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1623-A-VH-1	344117	CAT 6 _A U/FTP Installation Cable, length 100 m, paper box, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)
DK-1623-A-VH-305	344124	CAT 6 _A U/FTP Installation Cable, length 305 m, paper box, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)
DK-1623-A-VH-5	344216	CAT 6 _A U/FTP Installation Cable, length 500 m, drum, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE/PoE+
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 5028811-1; IEC 61156-5
FRNC (Flame retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.57 mm nominal
Insulation:	HD-PE (High Density Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	Drain wire
Outer jacket:	Halogen-free (FRNC-B/LSZH-1)
Outer jacketed diameter:	0.6 mm nominal
Color:	Light blue (RAL 5012)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-20 °C to +75 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.0 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	650 MJ/km
Weight:	50 kg/km

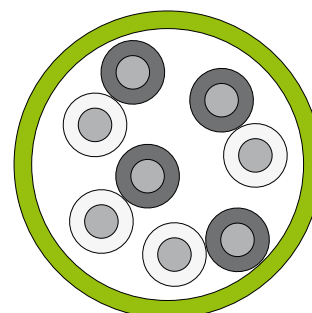
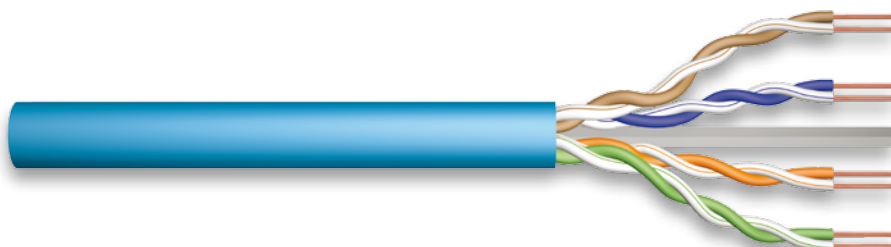
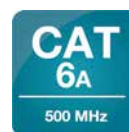
**Electrical Properties**

Impedance:	100±5 Ohm
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	65 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	15 nS/100 m max.
Separating class:	"C" acc. to EN 50174-2
NVP:	70%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	ns	dB	dB	dB	dB	dB
1	2.1	95	92	25	92.9	89.9	68	65
4	3.8	94	91	25	90.2	87.2	56	53
10	5.9	90	87	25	84.1	81.1	48	45
16	7.5	89	86	25	81.5	88.5	43.9	40.9
20	8.4	88.5	85.5	25	80.1	77.1	42	39
31.25	10.5	88	28.25	23.6	77.5	74.5	38.1	35.1
62.5	15	80	59.5	21.5	65	62	32.1	29.1
100	19.1	75	72	20.1	55.9	52.9	28	25
200	27.6	68	65	18	40.4	37.4	22	19
250	31.1	66	63	17.3	34.9	31.9	20	17
300	34.3	65	62	16.8	30.7	27.7	18.5	15.5
500	45.3	57	54	15.2	11.7	8.7	14	11

CAT 6_A, U/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1613-A-VH-1	344094	CAT 6 _A U/UTP Installation Cable, raw, length 100 m, paper box, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)
DK-1613-A-VH-305	344100	CAT 6 _A U/UTP Installation Cable, raw, length 305 m, paper box, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)
DK-1613-A-VH-5	344209	CAT 6 _A U/UTP Installation Cable, raw, length 500 m, drum, AWG 23/1, LSZH-1, 500 MHz, simplex, color light blue (RAL 5012)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
	IEEE 802.5: 16 MB; ISDN; PoE; PoE+; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173; EN 50288-11-1; IEC 61156-5
FRNC (Flame Retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.55 mm nominal
Insulation:	HD-PE (High Density Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	None
Overall shielding:	None
Outer jacket:	Halogen-free (FRNC/LSZH-1)
Outer jacketed diameter:	0.9 mm nominal
Color:	Light blue (RAL 5012)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-20 °C to +75 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.0 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	295 Mj/km

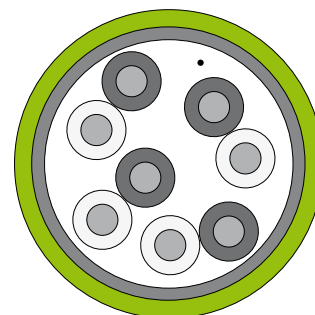
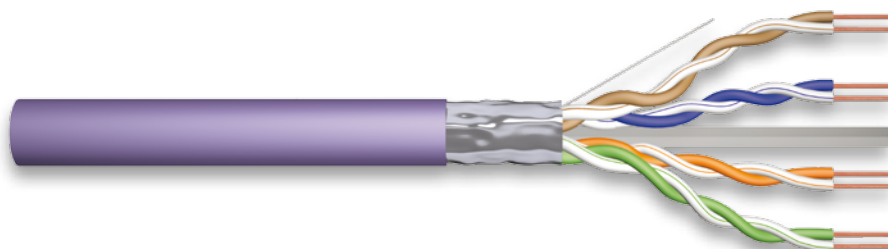
Electrical Properties

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	40 pF/m nominal @ 1 KHz
Capacitance unbalance (pair-ground):	1.6 pF/m max. @ 1 KHz
Insulation resistance:	5 GOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	65 dB
Signal propagation delay:	450 nS/100 m
Delay difference:	20 nS/100 m max.
Separating class:	"c" acc. to EN 50174-2
NVP:	70%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PC ACR	ELFEXT	PS ELFEXT	TCL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB
4	3.7	65.27	62.27	25	61.57	58.57	55.8	52.8	40
10	5.9	59.3	56.3	25	53.4	50.4	47.8	44.8	40
16	7.4	56.24	53.2	25	48.84	45.84	43.7	40.7	38
20	8.3	54.78	51.78	25	46.48	43.48	41.8	38.8	37
31,5	10.5	51.83	48.83	23.6	41.33	38.33	37.8	34.8	35
62,5	14.9	47.36	46.36	21.5	32.46	39.46	31.9	28.9	32
100	19	44.3	41.3	20.1	25.3	22.3	27.8	24.8	30
200	27.5	42.1	36.78	18	14.6	11.6	21.8	18.8	27
300	34.2	40	34.14	16.8	5.8	2.8	18.3	15.3	25.2
500	37.2	38.5	48	15.2	1.3	-2.3	13.8	10.8	23

CAT 6 F/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1623-VH-1	344056	CAT 6 F/UTP Installation Cable, length 100 m, paper box, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)
DK-1623-VH-305	344063	CAT 6 F/UTP Installation Cable, length 305 m, paper box, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)
DK-1623-VH-5	344247	CAT 6 F/UTP Installation Cable, length 500 m, drum, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA 568-C; ISO/IEC 11801 2nd ed.; EN 50173; EN 50288-5-1
FRNC (Flame retardancy):	IEC 60332-1; IEC 60754-2; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.55 mm nominal
Insulation:	HD-PE (High Density Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	None
Overall shielding:	Aluminum foil, providing 100 % coverage, drain wire
Outer jacket:	Halogen-free (FRNC/LSZH-1)
Outer jacketed diameter:	0.6 mm nominal
Color:	Purple (RAL 4005)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-20 °C to +75 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	7.0 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	550 MJ/km

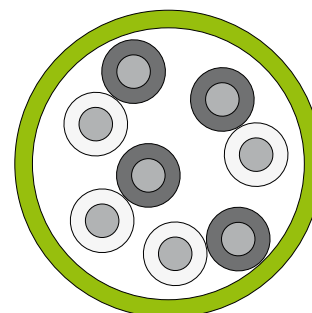
**Electrical Properties**

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m max. @ 1 KHz
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Nominal velocity of propagation:	0.67% nominal
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ARC	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	2.1	74.3	71.3	26	72.2	69.2	68	65
4	3.8	65.3	62.3	25	61.5	58.5	56	53
8	5.3	60.8	57.8	24.5	55.5	52.5	49.9	46.9
10	5.9	59.3	56.3	25	53.4	50.4	48	45
16	7.5	56.2	53.2	25	48.7	45.7	43.9	40.9
20	8.4	54.8	51.8	25	46.4	43.4	42	39
25	9.4	53.3	50.3	24.3	43.9	40.9	40	37
31.25	10.5	51.9	48.9	23.6	41.4	38.4	38.1	35.1
62.5	15	57.4	44.4	21.5	42.4	39.4	32.1	29.1
100	19.1	44.3	41.3	20.1	25.2	22.2	28	25
200	27.6	39.3	36.3	18	11.7	8.7	22	19
250	31.1	38.3	35.3	17.3	7.2	4.2	20	17

CAT 6 U/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1613-VH-1	343653	CAT 6 U/UTP Installation Cable, length 100 m, paper box, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)
DK-1613-VH-305	324553	CAT 6 U/UTP Installation Cable, length 305 m, paper box, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)
DK-1613-VH-5	343660	CAT 6 U/UTP Installation Cable, length 500 m, drum, AWG 23/1, 250 MHz, LSZH-1, simplex, color purple (RAL 4005)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDNi; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed., EN 50173; EN 50288-5-1
FRNC (Flame Retardancy):	IEC 60332-1; IEC 60754; IEC 61034

Physical Description

Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.55 mm nominal
Insulation:	HD-PE (High Density Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	None
Overall shielding:	None
Outer jacket:	Halogen-free (FRNC-B/LSZH-1)
Outer jacketed diameter:	0.6 mm nominal
Color:	Purple (RAL 4005)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-20 °C to +75 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	6.2 mm nominal
Flame retardancy:	IEC 60332-1
Halogen-free & smoke-proof:	IEC 60754-2 & IEC 61034
Fire load:	320 Mj/km

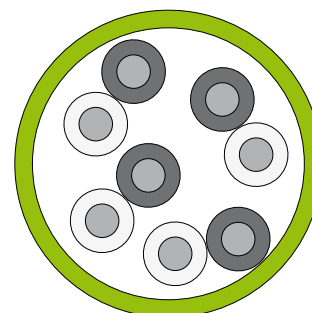
**Electrical Properties**

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m max. @ 1 KHz
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
10	5.9	59.3	56.3	25	53.4	50.4	48	45
20	8.4	54.8	51.8	25	46.4	43.4	42	39
62.5	15	57.4	44.4	21.5	25.2	22.2	32.1	29.1
100	19.1	44.3	41.3	20.1	25.2	22.2	28	25
200	27.6	39.3	36.3	18	11.7	8.7	22	19
250	32.85	38.3	35.3	17.3	5.45	2.45	20	17

CAT 6, U/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1611-V-1-NC	378709	CAT 6 U/UTP Installation Cable, length 100 m, box, AWG23/1, 250 MHz, PVC, simplex, color purple (RAL 4005)
DK-1611-V-305-NC	378693	CAT 6 U/UTP Installation Cable, length 305 m, box, AWG23/1, 250 MHz, PVC, simplex, color purple (RAL 4005)
DK-1611-V-5-NC	378716	CAT 6 U/UTP Installation Cable, length 500 m, drum, AWG23/1, 250 MHz, PVC, simplex, color purple (RAL 4005)

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173; EN 50288-5-1

Physical Description	
Basic conductor:	Solid AWG 23/1, bare annealed copper, diameter 0.55 mm nominal
Insulation:	HD-PE (High Density Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	None
Overall shielding:	None
Outer jacket:	PVC
Outer jacketed diameter:	0.6 mm nominal
Color:	Purple (RAL 4005)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +60 °C
Operating temperature range:	-20 °C to +75 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	6.0 mm nominal

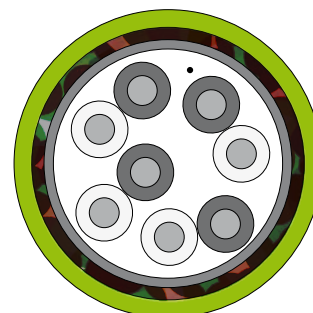
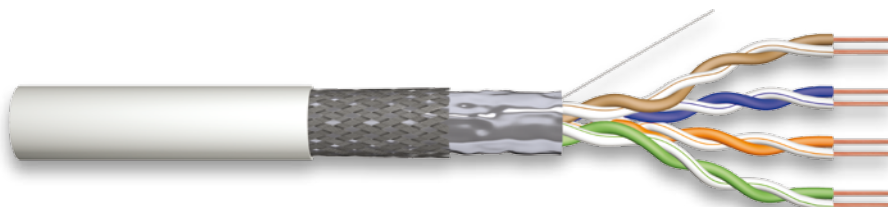
Electrical Properties

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m max. @ 1 KHz
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
10	5.9	59.3	56.3	25	53.4	50.4	48	45
20	8.4	54.8	51.8	25	46.4	43.4	42	39
62.5	15	57.4	44.4	21.5	25.2	22.2	32.1	29.1
100	19.1	44.3	41.3	20.1	25.2	22.2	28	25
200	27.6	39.3	36.3	18	11.7	8.7	22	19
250	32.85	38.3	35.3	17.3	5.45	2.45	20	17

CAT 5e, SF/UTP Twisted-Pair Installation Cable



Product Number	EAN	Product Description
DK-1531-V-1	241157	CAT 5e SF/UTP Installation Cable, length 100 m, paper box, AWG 24/1, 100 MHz, PVC, simplex, color grey (RAL 7035)
DK-1531-V-305	241164	CAT 5e SF/UTP Installation Cable, length 305 m, paper box, AWG 24/1, 100 MHz, PVC, simplex, color grey (RAL 7035)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties

Basic conductor:	Solid AWG 24/1, bare annealed copper, diameter 0.50 mm nominal
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	Foil- and braid shielded
Outer jacket:	PVC
Outer jacketed diameter:	0.6 mm nominal
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60°C
Installation temperature range:	0 °C to +50 °C
Outer jacketed diameter:	6.5 mm nominal

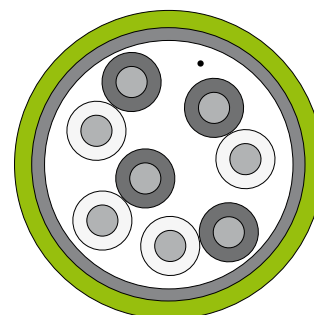
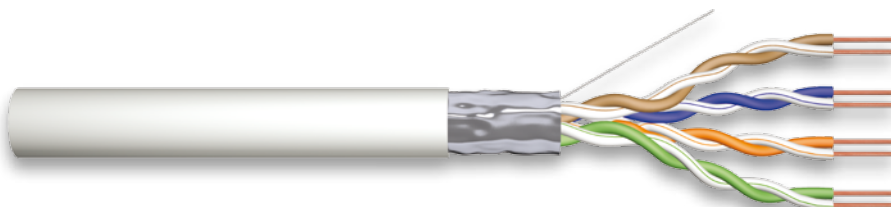
Electrical Properties

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m nominal
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	2.03	62.3	59.3	17	60.3	57.3	60.75	60.75
4	4.04	53.26	50.26	18.8	49.2	46.2	48.71	48.71
8	5.76	48.75	45.75	19.7	43	40	42.69	42.69
10	6.46	47.3	44.3	20	40.8	37.8	40.75	40.75
16	8.24	44.3	41.3	20	36.1	33.1	36.67	36.67
20	9.26	42.78	39.78	20	33.2	30.2	34.73	34.73
25	10.41	41.33	38.33	19.3	30.9	27.9	32.79	32.79
31.25	11.72	39.87	36.87	18.6	28.2	25.2	30.86	30.86
62.5	16.99	35.36	32.36	16.5	18.4	15.4	24.83	24.83
100	21.97	32.29	29.29	15.1	10.3	7.3	20.75	20.75

CAT 5e, F/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1521-V-1	241119	CAT 5e F/UTP Installation Cable, length 100 m, paper box, AWG 24/1, 100 MHz, PVC, simplex, color grey (RAL 7035)
DK-1521-V-305	241126	CAT 5e F/UTP Installation Cable, length 305 m, paper box, AWG 24/1, 100 MHz, PVC, simplex, color grey (RAL 7035)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties

Basic conductor:	Solid AWG 24/1, bare annealed copper, diameter 0.50 mm nominal
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	None
Outer jacket:	PVC
Outer jacket diameter:	0.6 mm nominal
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Outer jacket diameter:	6.0 mm nominal

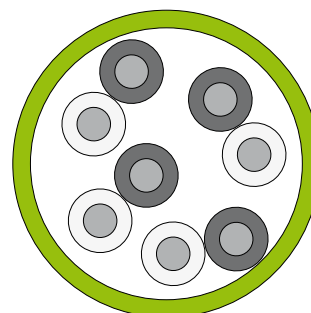
Electrical Properties

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m nominal
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	2.03	62.3	59.3	17	60.3	57.3	60.75	60.75
4	4.04	53.26	50.26	18.8	49.2	46.2	48.71	48.71
8	5.76	48.75	45.75	19.7	43	40	42.69	42.69
10	6.46	47.3	44.3	20	40.8	37.8	40.75	40.75
16	8.24	44.3	41.3	20	36.1	33.1	36.67	36.67
20	9.26	42.78	39.78	20	33.2	30.2	34.73	34.73
25	10.41	41.33	38.33	19.3	30.9	27.9	32.79	32.79
31.25	11.72	39.87	36.87	18.6	28.2	25.2	30.86	30.86
62.5	16.99	35.36	32.36	16.5	18.4	15.4	24.83	24.83
100	21.97	32.29	29.29	15.1	10.3	7.3	20.75	20.75

CAT 5e, U/UTP Twisted Pair Installation Cable



Product Number	EAN	Product Description
DK-1511-V-1-1	363804	CAT 5e U/UTP Installation Cable, length 100 m, paper box, 100 MHz, PVC, simplex, color grey (RAL 7035)
DK-1511-V-305-1	363811	CAT 5e U/UTP Installation Cable, length 305 m, paper box, 100 MHz, PVC, simplex, color grey (RAL 7035)

Product Information

Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties

Basic conductor:	Bare annealed copper
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	None
Outer jacket:	PVC
Outer jacketed diameter:	0.5 mm nominal
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Outer jacket diameter:	5.0 mm nominal

**Electrical Properties**

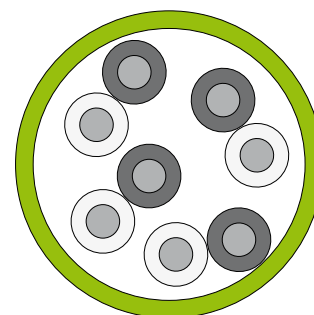
Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m nominal
Insulation resistance:	5 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	2.03	62.3	59.3	17	60.3	57.3	60.75	60.75
4	4.04	53.26	50.26	18.8	49.2	46.2	48.71	48.71
8	5.76	48.75	45.75	19.7	43	40	42.69	42.69
10	6.46	47.3	44.3	20	40.8	37.8	40.75	40.75
16	8.24	44.3	41.3	20	36.1	33.1	36.67	36.67
20	9.26	42.78	39.78	20	33.2	30.2	34.73	34.73
25	10.41	41.33	38.33	19.3	30.9	27.9	32.79	32.79
31.25	11.72	39.87	36.87	18.6	28.2	25.2	30.86	30.86
62.5	16.99	35.36	32.36	16.5	18.4	15.4	24.83	24.83
100	21.97	32.29	29.29	15.1	10.3	7.3	20.75	20.75

Twisted Pair Installation Cable

CAT 6, U/UTP Twisted Pair Installation Cable, Short Link 70 m



Product Number	EAN	Product Description
ACU-4611-305	317197	CAT 6 U/UTP Installation Cable raw, length 305 m, carton, AWG 23/1, 250 MHz, PVC, color grey (RAL 7035)

Product Information	
Area of Application:	1000BASE-T, 100BASE-T
Norms:	ISO/IEC 11801; EN 50173-1; DIN EN 50288-5-1

Physical Properties	
Conductor:	Copper covered aluminum AWG 23/1
Total number of insulated conductors:	8 conductors, twisted in 2x 4 pairs
Core color:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	None
Sheath thickness:	0.55 mm nominal
External outer diameter:	6.0 mm nominal
Material:	PVC
Color:	Grey (RAL 7035)

Mechanical Properties	
Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20° C to +60 °C
Operating temperature range:	-10° C to +75° C
Installation temperature:	0° C to +50° C

Twisted Pair Installation Cable

Electrical Properties

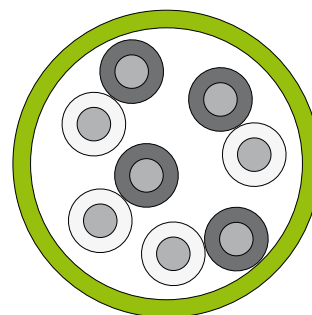
Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m max. @ 1 KHz
Insulation resistance:	2 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB	dB
1	2.1	65.0	62.0	19.0	63.3	60.3	60.3
4.0	4.0	63.0	60.0	19.0	51.2	48.2	48.2
8.0	5.7	58.2	55.2	19.0	45.2	42.2	42.2
10.0	6.3	56.6	53.6	19.0	43.3	40.3	40.3
16.0	8.0	53.2	50.2	18.0	39.2	36.2	36.2
20.0	9.0	51.6	48.6	17.5	37.2	34.2	34.2
25.0	10.1	50.0	47.0	17.0	35.3	32.3	32.3
31.25	11.4	48.4	45.4	16.5	33.4	30.4	30.4
62.5	16.5	43.4	40.4	14.0	27.3	24.3	24.3
100	21.3	39.9	36.9	12.0	23.3	20.3	20.3
200	31.5	34.8	31.8	9.0	17.2	14.2	14.2
250	35.9	33.1	30.1	8.0	15.3	12.3	12.3

Twisted Pair Installation Cable

CAT 5e, U/UTP Twisted Pair Installation Cable, Short Link 70 m



Product Number	EAN	Product Description
ACU-4511-305	317081	CAT 5e U/UTP Installation Cable, length 305 m, carton, AWG 24/1, PVC, color grey (RAL 7035)

Product Information	
Area of Application:	Category 5e, 100 MHz, 100BASE-T
Norms:	ISO/IEC 11801; EN 50173-1; EN 50288-2-1

Physical Properties	
Conductor:	AWG 24/1
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	None
Sheath thickness:	0.50 mm nominal
External outer diameter:	5.0 mm nominal
Material:	PVC
Color:	Grey (RAL 7035)

Mechanical Properties	
Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Storage temperature:	-20 °C to +60 °C
Operating temperature range:	-10 °C to +75 °C
Installation temperature:	0 °C to +50 °C

Twisted Pair Installation Cable

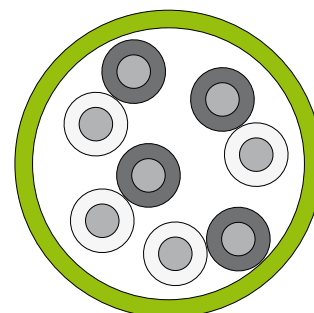
Electrical Properties

Impedance:	100±5 Ohm @ 1-100 MHz
Capacitance:	48 pF/m nominal @ 800 Hz
Capacitance unbalance (pair-ground):	1.5 pF/m nominal
Insulation resistance:	2 GMOhm x km min.
DC loop resistance:	147 Ohm/km max. (2% max. resistance unbalance)
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB
Propagation delay:	535 nS/100 m max.
Delay skew:	20 nS/100 m max.
NVP:	69%

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT
MHz	dB	dB	dB	dB	dB	dB
1.0	3	60	57	19	58.6	55.6
4.0	3.9	54.8	51.8	19	46.6	43.6
8.0	5.5	50	47	19	40.6	37.5
10.0	6.2	48.5	45.5	19	38.6	35.6
16.6	7.9	45.2	42.2	19	34.5	31.5
20.0	8.9	43.7	40.7	19	32.6	29.6
25.5	10	42.1	39.1	18	30.7	27.7
31.25	11.2	40.5	37.5	17.1	28.7	25.7
62.5	16.2	35.7	32.7	14.1	22.7	19.7
100.0	21	32.3	29.3	12	18.6	15.6

CAT 6, U/UTP Twisted Pair Patch Cable, Bulk Goods



Product Number	Product Description
DK-1611-P-1	CAT 6 U/UTP Twisted Pair Patch Cable Bulk Goods, 250 MHz, PVC, 100 m carton
DK-1611-P-305	CAT 6 U/UTP Twisted Pair Patch Cable Bulk Goods, 250 MHz, PVC, 305 m carton

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd ed.; EN 50173; EN 50288-5-1

Physical Description	
Basic conductor:	Bare annealed copper AWG 24/7
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	None
Overall shielding:	None
Outer jacket:	PVC
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Overall diameter:	6.2 mm nominal

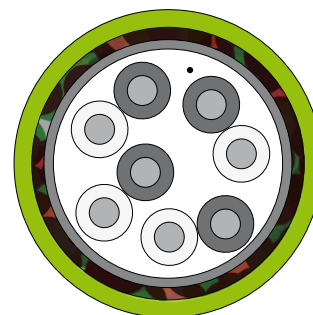
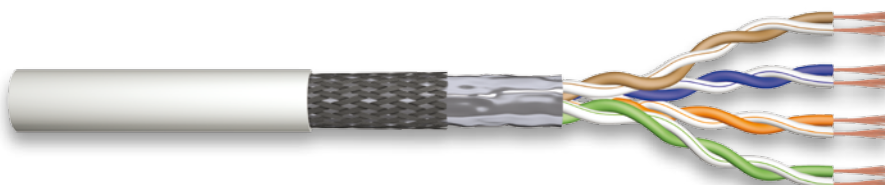
Electrical Properties

Impedance:	100±6 Ohm @ 1-250 MHz
DC loop resistance:	175.2 Ohm/km
Resistance unbalance:	2%
Insulation resistance:	2 GOhm x km min.
Capacity:	48 pF/m nominal @ 800 Hz
Mutual capacitance:	55.8 pF/m max.
Capacitance unbalance (pair-ground):	1.5 pF/m
Characteristic impedance (100 MHz):	(100±15) Ohm
Propagation delay:	450 nS/100 m max.
Delay skew:	20 nS/100 m max.
Test voltage (DC, 1 min) core/core:	1000V
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR
MHz	dB	dB	dB	dB	dB	dB
1	3	65	62	19	62	59
4	4	63	60	19	59	56
8	5.7	58.2	55.2	19	52.5	49.5
10	6.3	56.6	53.6	19	50.2	47.2
16	8	53.2	50.2	18	45.2	42.2
20	9	51.6	48.6	17.5	42.6	39.6
25	10.1	50	47	17	39.9	36.9
31.25	11.4	48.4	45.4	16.5	37	34
62.5	16.5	43.4	40.3	14	26.9	23.9
100	21.3	39.9	36.9	12	18.8	15.8
200	31.5	34.8	31.8	9	14.5	11.5
250	35.9	33.1	30.1	8	6.5	3.5

CAT 5e, SF/UTP Twisted Pair Patch Cable, Bulk Goods



Product Number	Product Description
DK-1531-P-1	CAT 5e SF/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 100 m carton
DK-1531-P-305	CAT 5e SF/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 305 m carton

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties	
Basic conductor:	Bare annealed copper AWG 26/7
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	Foil- and braid shielded
Outer jacket:	PVC
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Outer jacket diameter:	6.0 mm nominal

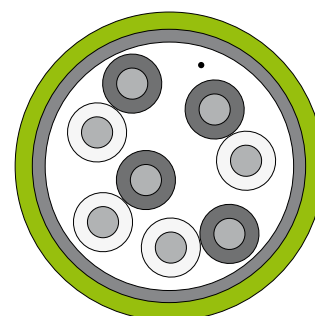
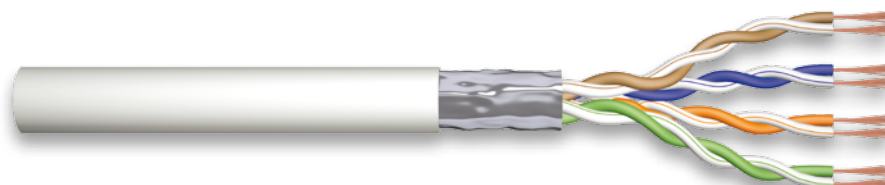
Electrical Properties

Mean impedance:	100±10 Ohm @ 10-100 MHz
Mutual capacitance:	55.8 pF/m max.
Capacitance unbalance (pair-ground):	1.6 pF/m
DC loop resistance:	280 Ohm/km
Resistance unbalance:	2%
Insulation resistance:	2 GOhm x km min.
Capacity:	48 pF/m nominal @ 800 Hz
Characteristic impedance (100 MHz):	(100±15) Ohm
Propagation delay:	450 nS/100 m max.
Delay skew:	20 nS/100 m max.
Test voltage (DC, 1min.) core/core:	1000V
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB
1	3	60	57	17	57	54	57.4
4	4.5	53.5	50.5	17	49.1	46.1	45.4
8	6.3	48.6	45.6	17	42.3	39.3	39.3
10	7.1	47	44	17	39.9	36.9	36.9
16	9.1	43.6	40.6	17	34.5	31.5	31.5
20	10.2	42	39	17	31.8	28.8	28.8
25	11.4	40.3	37.3	16	28.9	25.9	25.9
31.25	12.9	38.7	35.7	15.1	25.9	22.9	22.9
62.5	18.6	33.6	30.6	12.1	15	12	12
100	24	30.1	27.1	10	6.1	3.1	3.1

CAT 5e, F/UTP Twisted Pair Patch Cable, Bulk Goods



Product Number	Product Description
DK-1521-P-1	CAT 5e F/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 100 m carton
DK-1521-P-305	CAT 5e F/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 350 m carton

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties	
Basic conductor:	Bare annealed copper AWG 26/7
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	Foil- and braid shielded
Outer jacket:	PVC
Color:	Grey (RAL 7035)

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Outer diameter jacket:	6.0 mm nominal

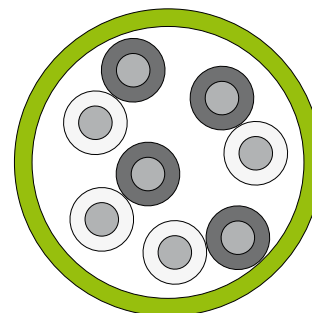
Electrical Properties

Impedance:	100±10 Ohm @ 10-100 MHz
DC loop resistance:	280 Ohm/km
Resistance unbalance	2%
Insulation resistance:	2 GOhm x km min.
Capacity:	48 pF/m nominal @ 800 Hz
Mutual capacitance:	55.8 pF/m max.
Capacitance unbalance (pair-ground):	1.5 pF/m
Characteristic impedance (100 MHz):	(100±15) Ohm
Signal run:	450 nS/100 m max.
Run difference:	20 nS/100 m max.
Test voltage (DC, 1 min.) core/core:	1000V
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR-N	ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB
1	3	60	57	17	57	54	57.4
4	4.5	53.5	50.5	17	49.1	46.1	45.4
8	6.3	48.6	45.6	17	42.3	39.3	39.3
10	7.1	47	44	17	39.9	36.9	36.9
16	9.1	43.6	40.6	17	34.5	31.5	31.5
20	10.2	42	39	17	31.8	28.8	28.8
25	11.4	40.3	37.3	16	28.9	25.9	25.9
31.25	12.9	38.7	35.7	15.1	25.9	22.9	22.9
62.5	18.6	33.6	30.6	12.1	15	12	12
100	24	30.1	27.1	10	6.1	3.1	3.1

CAT 5e, U/UTP Twisted-Pair Patch Cable, Bulk Goods



Product Number	Product Description
DK-1511-P-1	CAT 5e U/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 100 m carton
DK-1511-P-305	CAT 5e U/UTP Twisted Pair Patch Cable, Bulk Goods, 100 MHz, PVC, 305 m carton

Product Information	
Area of Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
	IEEE 802.5: 16 MB; ISDN; FDDI; ATM
Norms:	ANSI/TIA-568-C; ISO/IEC 11801 2nd Ed.; EN 50173-1; EN 50288-2-1

Physical Properties	
Basic conductor:	Bare annealed copper AWG 26/7
Insulation:	PE (Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Color code:	Blue-white, orange-white, green-white, brown-white
Individual pair shield:	None
Overall shield:	None
Outer jacket:	PVC
Color:	Grey (RAL 7035)

Twisted Pair Patch Cable, Bulk Goods

Mechanical Properties

Tensile loading:	150 N max.
Dynamic bending radius:	8x AD mm min.
Static bending radius:	4x AD mm min.
Shipping- and storage temperature range:	-20 °C to +75 °C
Operating temperature range:	-20 °C to +60 °C
Installation temperature range:	0 °C to +50 °C
Outer jacket diameter:	5.5 mm nominal

Electrical Properties

Impedance:	100±10 Ohm @ 10-100 MHz
DC loop resistance:	175.2 Ohm/km
Resistance unbalance:	2%
Insulation resistance:	2 GOhm x km min.
Capacity:	48 pF/km nominal @ 800 Hz
Mutual capacitance:	55.8 pF/km max.
Characteristic impedance (100 MHz):	(100±15) Ohm
Capacitance unbalance (pair-ground):	1.5 pF/m
Signal run:	450 nS/100 m max.
Run difference:	20 nS/100 m max.
Test voltage (DC, 1 min.) core/core:	1000V
Voltage resistance:	72 Vdc max.
Coupling attenuation:	40 dB

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR	PS ACR	ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB
1	3	60	57	17	57	54	57.4
4	4.5	53.5	50.5	17	49.1	46.1	45.4
8	6.3	48.6	45.6	17	42.3	39.3	39.3
10	7.1	47	44	17	39.9	36.9	36.9
16	9.1	43.6	40.6	17	34.5	31.5	31.5
20	10.2	42	39	17	31.8	28.8	28.8
25	11.4	40.3	37.3	16	28.9	25.9	25.9
31.25	12.9	38.7	35.7	15.1	25.9	22.9	22.9
62.5	18.6	33.6	30.6	12.1	15	12	12
100	24	30.1	27.1	10	6.1	3.1	3.1

19" Patch Panel (LSA+) CAT 6_A, shielded



Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91624S-EA	288428	24	Grey (RAL 7035)	1U	yes	Patch Panel, Cable Tie

Product Information	
Transmission Properties:	Category 6 _A , Class E _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed.; EN 50173-1; EIA/TIA 568-C
	802.3af; 802.3at PoE+

General Properties
Suitable for 483 mm (19") cabinet mounting
RJ45 Female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Central ground connection
360°-shield contact
Integrated dust cover
Plastic label field

Technical Properties

Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 female material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 female contact:	Tinned phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Ground wire:	Not included
Conductor plate:	FR4, UL 94V-0



Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1743-A-VH // DK-1741-A-VH // DK-1743-VH // DK-1741-VH // DK-1623-A-VH
Patch Cable	DK-1644-A // DK-1643-A
Tool	DN-LSA-PT // A-LSA-K



19" Patch Panel (LSA+) CAT 6 // Cat 5e, shielded



DN-91624S



DN-91616S

Product Number	EAN	Ports	Color	Height	Shielding	Package content
DN-91624S	241614	24	Grey (RAL 7035)	1U	yes	Patch Field, Cable Ties
DN-91616S	241607	16	Grey (RAL 7035)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91524S	241522	24	Grey (RAL 7035)	1U	yes	Patch Field, Cable Ties
DN-91516S	241515	16	Grey (RAL 7035)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
RJ45 jack, 8P8C
Cable installation LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable ties
Central ground connection
360° - shield contact

Technical Properties

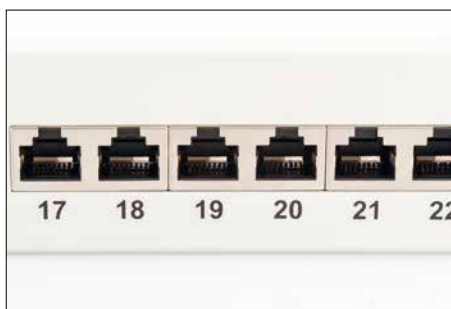
Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 female material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 female contact:	Nickel-plated phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Ground wire:	Not included
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1623-VH // DK-1531-V // DK-1521-V
Patch Cable	DK-1644 // DK-1531 // DK-1521
Tools	DN-LSA-PT // A-LSA-K

**DN-91624S**

19" Distribution Field (LSA+) , CAT 6 // CAT 5e, unshielded



DN-91624U



DN-91616U

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91648U	241560	48	Black (RAL 9005)	2U	no	Patch Panel, Cable Tie
DN-91624U	241553	24	Black (RAL 9005)	1U	no	Patch Panel, Cable Tie
DN-91616U	241546	16	Black (RAL 9005)	1U	no	Patch Panel, Cable Tie

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz; 1GBase-T; PoE
Norms:	ISO/IEC 11801 2nd Ed.; EN 50173-1; EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91548U	241478	24	Black (RAL 9005)	2U	no	Patch Panel, Cable Tie
DN-91524U	241461	16	Black (RAL 9005)	1U	no	Patch Panel, Cable Tie

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz; 10/100Base-T; 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed.; EN 50173-1; EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
RJ45 jack, 8P8C
Cable installation via LSA+-Strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie

Technical Properties

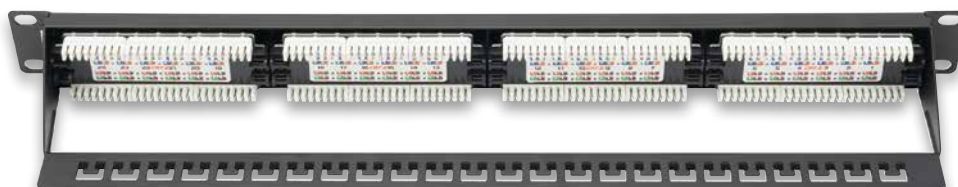
Housing material	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 female material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 female contact:	Nickel-plated phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Nickel-plated bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Ground wire:	Not included
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1613-VH // DK-1511-V
Patch Cable	DK-1614 // DK-1511 // DK-1512
Tools	DN-LSA-PT // A-LSA-K

**DN-91624U****DN-91648U**

19" Patch Panel (LSA+) High Density, CAT 6_A // CAT 6



DN-91624S-SL-EA



DN-91624S-SL-SH



DN-91624S-SL-SH



DN-91624S-SL-SH



DN-91624S-SL-EA

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91624S-SL-EA	241614	24	Black (RAL 9005)	0.5U	yes	Patch Panel, Cable Tie

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91624S-SL-SH	323297	24	Black (RAL 9005)	0.5U	yes	Patch Panel, Cable Tie
DN-91624U-SL-SH	323280	24	Black (RAL 9005)	0.5U	no	Patch Panel, Cable Tie

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") Cabinet mounting
RJ45 jack, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Central ground connection, only shielded version
360°-shield contact, only shielded version
Integrated dust caps

Technical Properties

Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 female material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 female contact:	Tinned phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Ground wire:	Not included
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1743-A-VH // DK-1743-VH // DK-1741-VH // DK-1623-A-VH // DK-1623-VH // DK-1613-VH
Patch Cable	DK-1644-A // DK-1643-A // DK-1644 // DK-1614
Tools	DN-LSA-PT // A-LSA-K



DN-91624S-SL-EA



DN-91624U-SL-SH

10" Patch Panel (LSA+), CAT 6 // CAT 5e



DN-91612S



DN-91512S

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91612S	241591	12	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties
DN-91608S	241577	8	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91512S	241508	12	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties
DN-91508S	241485	8	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91512U	241447	12	Black (RAL 9005)	1U	no	Patch Field, Cable Ties
DN-91508U	241430	8	Black (RAL 9005)	1U	no	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 254 mm (10") cabinet mounting
RJ45 jack, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable ties
Central ground connection, only shielded version
360°-shield contact, only shielded version

Technical Properties

Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact brackets: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze with nickel-plated
	0.5 µ gold-plated contacts
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	ABS UL 94V-0
	Phosphor bronze with tin-plated
Ground wire:	Not included
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1623-VH // DK-1531-V // DK-1521-V // DK-1511-V
Patch Cable	DK-1644 // DK-1531 // DK-1521 // DK-1511 // DK-1532 // DK-1522 // DK-1512
Tools	DN-LSA-PT // A-LSA-K



DN-91608S



DN-91508S

Desktop Patch Panel (LSA+) CAT 6_A // CAT 6 // CAT 5e, shielded



DN-91612SD-EA



DN-91608SD

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91612SD-EA	315063	12	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91608SD	241508	8	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-10001	108931	8	Black (RAL 9005)	1U	yes	Patch Field, Cable Ties

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for surface mount installation
RJ45 jack, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable ties
Central ground connection
360°-shield contact

Technical Properties

Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 female material:	Housing: UL 94V-0
	contact clamp: ABS UL 94V-0
RJ45 female contact:	Nickel-plated phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamps:	Krone LSA+
	UL 94V-2
	tinned phosphor bronze
Ground wire:	not included
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1743-VH // DK-1741-VH // DK-1623-A-VH // DK-1623-VH // DK-1531-V // DK-1521-V
Patch Cable	DK-1644-A // DK-1643-A // DK-1644 // DK-1531 // DK-1521 // DK-1532 // DK-1522
Tools	DN-LSA-PT // A-LSA-K



DN-91612SD-EA



DN-91608SD

19" Patch Panel (LSA+) CAT 3, ISDN, unshielded



DN-91325-1

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91350-1	269021	50	Grey (RAL 7035)	1U	no	Patch Field, Cable Ties
DN-91325-1	269007	25	Grey (RAL 7035)	1U	no	Patch Field, Cable Ties

Product Information	
Transmission Properties:	Category 3
Area of Application:	Up to 16 MHz, 10Base-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties
Suitable for 483 mm (19") rack mount
RJ45 jack, 8P4C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing via cable ties
Central ground connection



Technical Properties

Housing material:	1.5 mm galvanic cold rolled steel, acc. to EN1.4301, UNS S30400, AISI 304 and LMSAD110
RJ45 jack material:	Housing: ABS UL 94V-0
	contact brackets: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze with nickel-plated
	0.6 µ gold-plated contacts
LSA termination clamp:	Krone LSA+
	ABS UL 94V-0
	phosphor bronze with tin-plated
Ground wire:	18 AWG, 40 cm
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Carrying capacity:	1A at 50 °C
Insulation resistance:	> 500 MegaOhm
Contact resistance:	> 2.5 MegaOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1000 VDC (Contact/Ground)

Cross Reference

Patch Cable	DK-1512 // DK-1511
Tools	DN-LSA-PT // A-LSA-K



DN-91325-1



DN-91350-1

Network Wall Outlet (LSA+), design compatible



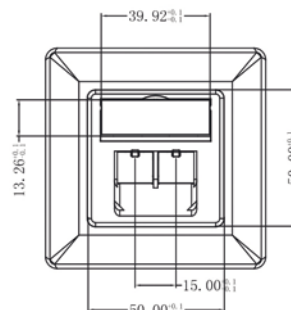
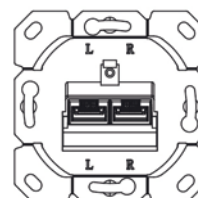
Network Wall Outlet (LSA+) CAT 6_A // CAT 6 // CAT 5e, shielded



Flush mount



Surface mount



Product Number	EAN	Inlet	Color	Type	Package Content
DN-9007-1	320197	vertical	pure white (RAL 9003)	Flush mount	Wall Outlet, Manual
DN-9007-S-1	320203	vertical	pure white (RAL 9003)	Surface mount	Wall Outlet, Manual
DN-9008-1	320227	horizontal	pure white (RAL 9003)	Flush mount	Wall Outlet, Manual

Product Information

Layout Keystone Entry:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Inlet	Color	Type	Package Content
DN-9005-N	175711	horizontal	pure white (RAL 9003)	Flush mount	Wall Outlet, Manual
DN-9005/B5-N	175759	horizontal	pure white (RAL 9003)	Flush mount	5x Wall Outlet, Manual
DN-9006-N	175735	horizontal	pure white (RAL 9003)	Surface mount	Wall Outlet, Manual
DN-9006/B5-N	175742	horizontal	pure white (RAL 9003)	Surface mount	5x Wall Outlet, Manual

Product Information

Layout Keystone Entry:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Inlet	Color	Type	Package Content
DN-9001-N	175650	horizontal	pure white (RAL 9003)	Flush mount	Wall Outlet, Manual
DN-9002-N	175681	horizontal	pure white (RAL 9003)	Surface mount	Wall Outlet, Manual
DN-9002/B5-N	175698	horizontal	pure white (RAL 9003)	Surface mount	5x Wall Outlet, Manual

Product Information

Layout Keystone Entry:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBASE-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Network Wall Outlet (LSA+), design compatible

General Properties

Suitable for installation in trunking, surface and flush mount
RJ45 jack, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Integrated strain relief for installation cables
Complete shielding of RJ45 sockets and LSA strips due to zinc die-cast housing
Strain relief 40°-angled jack for patch cords
Central plate: 50x50 mm
Frame: 80x80 mm
Central plate with integrated dust covers
Design compatible to common switch ranges

Technical Properties

Housing material:	Die-cast metal
RJ45 jack material:	Housing: ABS UL 94V-0
	contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze with nickel-plated
	0.5 µ gold-plated contacts
RJ45 shielding:	Bronze with nickel-plated
LSA termination clamp:	Krone LSA+
	UL 94V-2
	tin-plated phosphor bronze
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1743-VH // DK-1741-VH // DK-1623-A-VH // DK-1623-VH // DK-1531-V // DK-1521-V
Patch Cable	DK-1644-A // DK-1643-A // DK-1644 // DK-1531 // DK-1521 // DK-1532 // DK-1522
Tools	DN-LSA-PT // A-LSA-K

Gain a maximum degree of flexibility for your Network Infrastructure with the Class E_A 6-Connector-Channel-Link!

Today, flexible network connections are an absolute must at every company, office, facility, production site, and business. Flexibility, security and high performance of the components that can be used are indispensable for creating future-oriented, future-proof data networks. The 6-Connector-Channel-Link offers you incredibly flexible options for setting up or expanding a data network within a building.

The DIGITUS® Professional brand of network infrastructure products from ASSMANN have now been certified according to ISO/IEC 11801 Edition 2.2, using the class E_A 6-Connector-Channel-Link test method.

These products include:

- CAT 7 S/FTP Horizontal Installation Cables
- CAT 6_A S/FTP Distribution Fields
- CAT 6_A S/FTP Consolidation-Point Cables
- CAT 6_A S/FTP Patch Cables
- CAT 6_A S/FTP Keystone Modules

DIGITUS® Professional is currently the only brand on the market with certified Class E_A 6-Connector-Channel-Links.

What does the 6-Connector-Channel-Link have to offer?

The 6-Connector-Channel-Link offers you a high degree of flexibility in the data network through the use of Consolidation-Point cables. In comparison to solid conductors (installation cables), Consolidation-Point cables are easier to work with due to their smaller wire cross section that makes the cables more flexible. In addition to this, floor distributors (wall housings) can be dispensed with since it is possible to set up a direct channel link from the server right through to the terminal device.

All shielded Class E_A DIGITUS® copper components can be mixed and matched to suit your needs. On the one hand, that demonstrates the quality of our products. On the other, it guarantees substantial margins (power reserves) for the measurement parameters.

Furthermore, Consolidation-Point wiring has the big advantage that the flexible cables only have to pass the minor fire prevention test (FRNC-B; IEC 60332-1; test on cables, insulated wires in the event of fire. Test of vertical flame proliferation on a conductor, an insulated wire, or a cable). This is important because tenders for public buildings, in particular, stipulate the major fire prevention test (FRNC-C; IEC 60332-3).

Where can I use it?

Office buildings with connection to production facilities are a main field of application. In this case, use of Consolidation-Point cables enables flexible connection of individual departments, such as the server room, office and production. Open-plan offices with flexible workstations also call for a network infrastructure that is able to adapt to new requirements in no time at all.

The 'clean desk' trend is now a priority for current construction projects in Germany. The spaciouly designed floors enable flexible wiring with Consolidation-Point cables in appropriate housings or floor tanks. This gives the owner of the building the required flexibility to make changes to the Consolidation-Points in the raised floor if changes are made to the office layout.

Financial institutes with various levels of security and authorization represent another field of application. The installation cables are routed from the server room to the different areas. Installation in the floor tanks enables the Consolidation-Point cables to be routed through to the terminal device.

Patch Cable
DK-1644-A-XXX

Connection Module
DN-93907-1

Network Cabinet
DN-19 42U-8/8-1

Installation Cable
DK-1741-VH-X

Wall Mounting Cabinet
DN-19 07-U

Wall Outlet
DN-9007-1

Keystone Module
DN-93617

Floor Tank Frame
AN-25179

Consolidation-Point Cable
DK-1741-CP-XXX

Consolidation-Point Box
DN-93705

Diagram illustrating the Channel Assembly setup for a Network Analyzer Versip and a Network Analyzer Remote.

The setup includes the following components and connections:

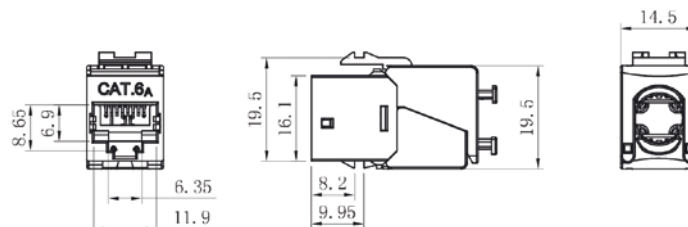
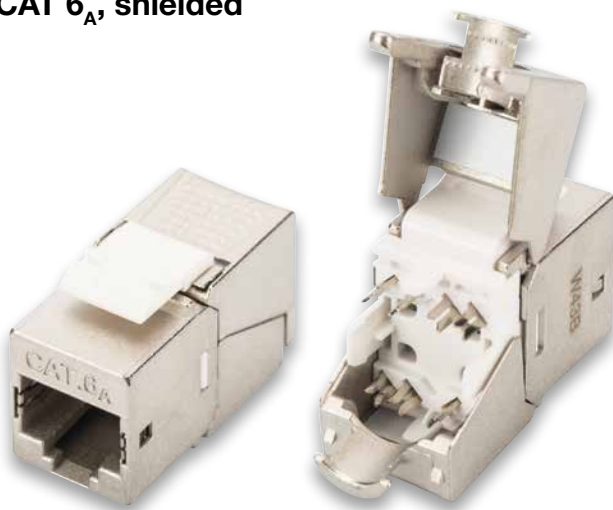
- 1:** Patch Cable (DK-1643-A-XXX, DK-1644-A-XXX) connecting the Network Analyzer Versip to the Channel Start.
- 2:** Consulation-Point Cable (DK-1741-CP-XXX) connecting the Channel Start to the Channel End.
- 3:** Keystone Module (DN-93617) at the Channel Start and Keystone Module (DN-93615) at the Channel End.
- 4:** Installation Cable (DK-1741-VH-X, DK-1743-VH-X) connecting the Keystone Modules.
- 5:** The Network Analyzer Versip and Network Analyzer Remote are connected to the Channel Start and Channel End respectively.

The Channel Assembly is labeled "Channel Start" and "Channel End". The maximum channel length is 100 m, and the setup complies with ISO/IEC 11801, Ed. 2.2.

Keystone Module, design compatible



Keystone Module, design compatible, CAT 6_A, shielded



Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93617	353539	1	yes	yes	Keystone Module, Cable Tie, Manual
DN-93617-24	365860	1	yes	yes	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

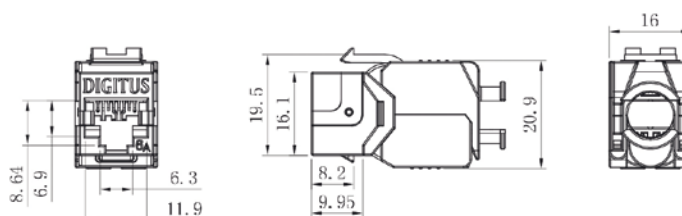
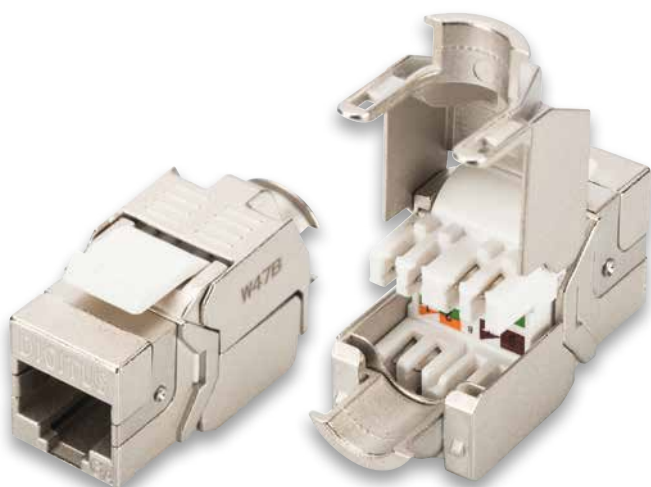
General Properties

Suitable for patch panels and mounting outlets
RJ45 Female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Tool-free installation
360°-shield contact
Dust cover included
Design compatible to current switch programs

Technical Properties

Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze

Keystone Module CAT 6_A, shielded



Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93615	293767	1	yes	yes	Keystone Module, Cable Tie, Manual
DN-93615-24	373087	1	yes	yes	24x Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6 _A , Class E _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for patch panels and wall outlets
RJ45 Female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Tool-free installation
360°-shield contact
Dust cover included

Technical Properties

Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, ABS UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7,7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)



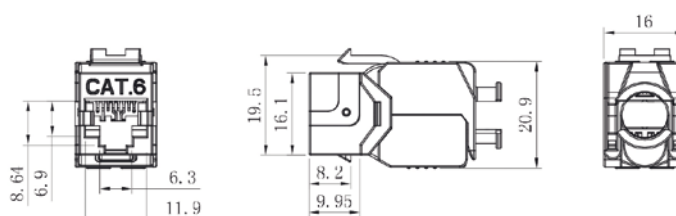
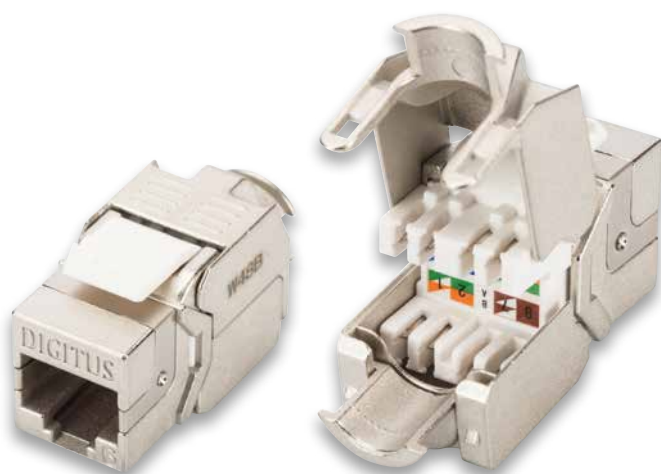
Cross Reference

Data Cable	DK-1743-A-VH // DK-1743-VH // DK-1741-VH // DK-1623-A-VH
Patch Cable	DK-1644-A // DK-1643-A
Patch Panel	DN-91410 // DN-91411 // DN-91422 // DN-91424 // DN-91412S-ANP // DN-91412
Wall Outlet	DN-93801-1 // DN-93811 // DN-93821 // DN-93802 // DN-93805 // DN-93844-OD // DN-93845-OD
Consolidation-Point Enclosures	DN-93907 // AT-AG 302A-WH
Floor Tank	AN-25178 // AN-25179
DIN-Rail Adapter	AN-25184 // AN-25185 // AN-25186
Tools	DN-94020 // DN-94021


DN-93615-24

DN-93615

Keystone Module, CAT 6, Class E, shielded



Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93612-1	378518	1	yes	yes	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6, Class E _A
Area of Application:	Up to 500 MHz, 10GBase-T (Class E _A); 250 MHz, 1GBase-T (Class E)
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installations in distribution panels and connector boxes
RJ45-plug, 8P8C
Cable installation via LSA+ strip, color coded EIA/TIA 568 A & B
Cable fixing with cable ties
Tool-free installation
360° cable screen connection

Technical Properties

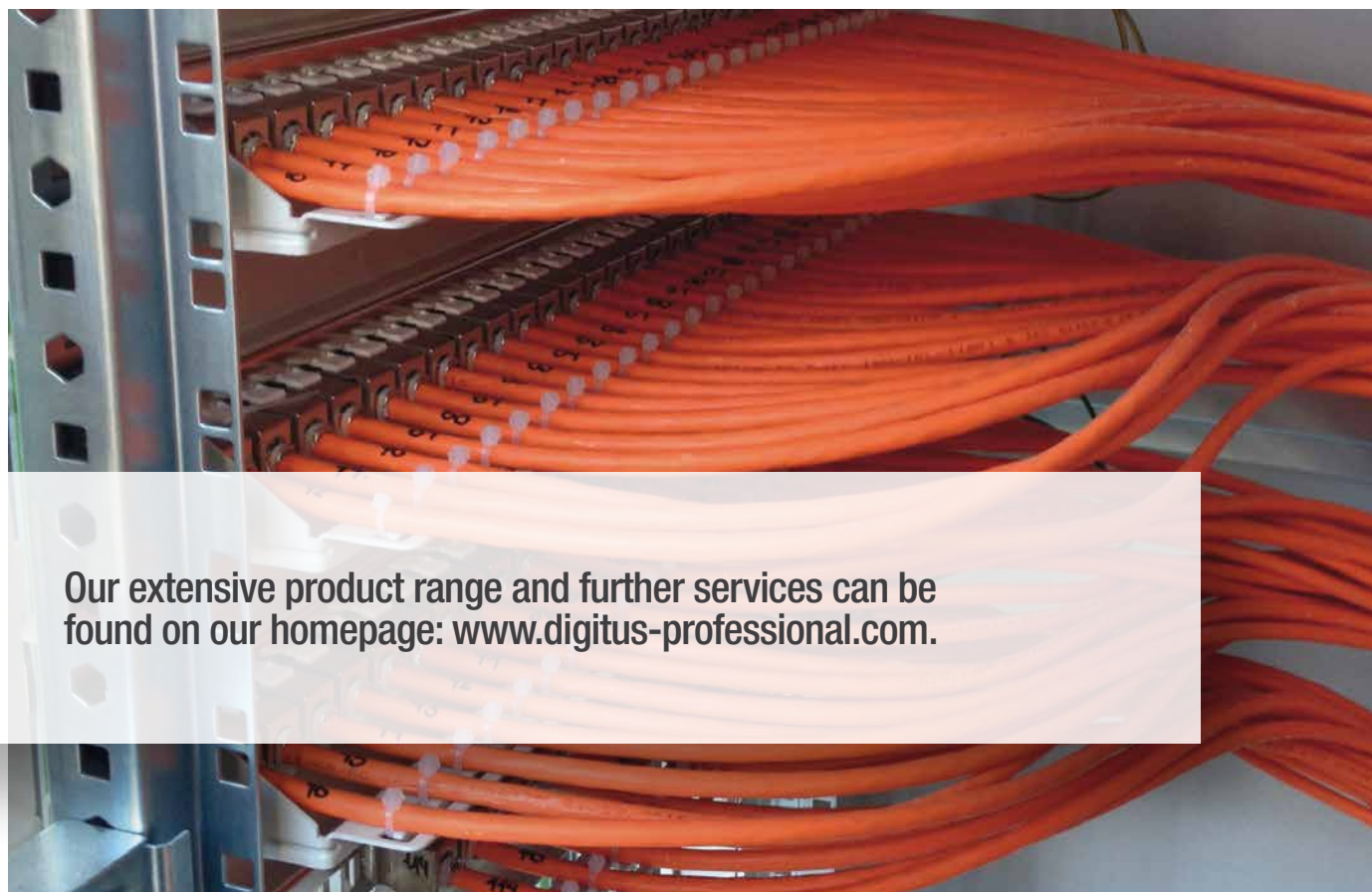
Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, ABS UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

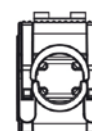
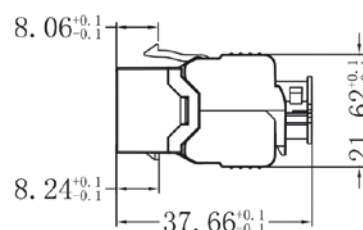
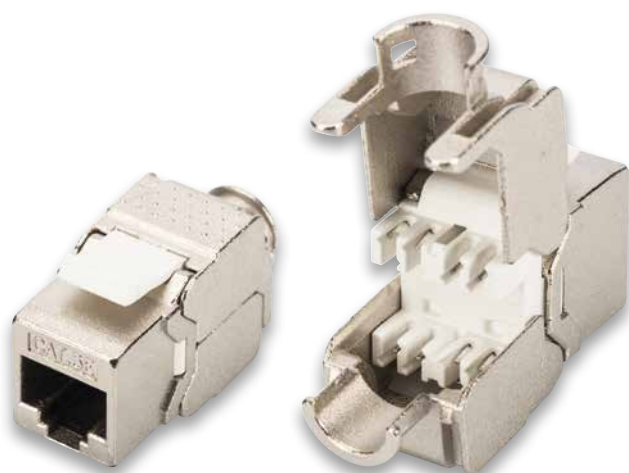
Cross Reference

Data Cable	DK-1743-VH // DK-1741-VH // DK-1623-A-VH
Patch Cable	DK-1644
Patch Panel	DN-91410 // DN-91411 // DN-91422 // DN-91424 // DN-91412S-ANP // DN-91412
Wall Outlet	DN-93801-1 // DN-93811 // DN-93821 // DN-93802 // DN-93805 // DN-93844-OD // DN-93845-OD
Consolidation-Point Enclosures	DN-93907 // AT-AG 302A-WH
Floor Tank	AN-25178 // AN-25179
DIN-Rail Adapter	AN-25184 // AN-25185 // AN-25186
Tools	DN-94020 // DN-94021



Our extensive product range and further services can be found on our homepage: www.digitus-professional.com.

Keystone Module, CAT 5e, shielded



Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93512	366300	1	yes	yes	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for patch panels and wall outlets
RJ45 Female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Tool-free installation
360°-shield contact

Technical Properties

Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 μ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, UL 94V-0

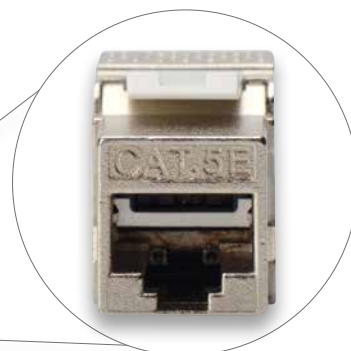
Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1531-V // DK-1521-V
Patch Cable	DK-1531 // DK-1521 // DK-1532 // DK-1522
Patch Panel	DN-91410 // DN-91411 // DN-91422 // DN-91424 // DN-91412S-ANP // DN-91412
Wall Outlet	DN-93801-1 // DN-93811 // DN-93821 // DN-93802 // DN-93805 // DN-93844-OD // DN-93845-OD
Consolidation-Point Enclosures	DN-93907 // AT-AG 302A-WH
Floor Tank	AN-25178 // AN-25179
DIN-Rail Adapter	AN-25184 // AN-25185 // AN-25186

Application example: 10" wall mounted rack in the floor distribution



Keystone Module, CAT 6_A // CAT 6 // CAT 5e, unshielded

CAT 6_A
500 MHz

10 GBit

CAT 6
250 MHz

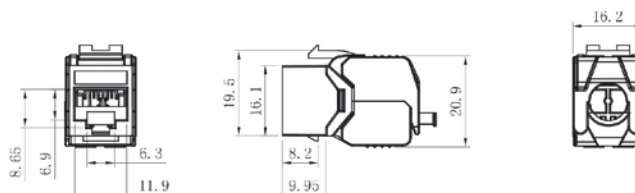
1 GBit

CAT 5e
100 MHz

10/100 MBit



DN-93606



Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93606	366317	1	yes	no	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93603	259398	1	yes	no	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93502	276005	1	yes	no	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
RJ45 female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie
Tool-free installation

Technical Properties

Housing material:	ABS UL 94V-0
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1613-A-VH // DK-1613-VH // DK-1511-V
Patch Cable	DK-1613-A // DK-1613 // DK-1614 // DK-1511
Patch Panel	DN-91400 // DN-91401
Wall Outlet	DN-93802 // DN-93805 // DN-93844-OD // DN-93845-OD
Consolidation-Point Enclosures	DN-93907 // AT-AG 302A-WH
Floor Tank	AN-25178 // AN-25179
DIN-Rail Adapter	AN-25184 // AN-25185 // AN-25186

Keystone Module, CAT 6 // CAT 5e, unshielded



DN-93601



DN-93501

Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93601	245100	1	no	no	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Tool-free Installation	Shielding	Package Content
DN-93501	245087	1	no	no	Keystone Module, Cable Tie, Manual

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") Cabinet mounting
RJ45 Female, 8P8C
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Cable fixing with cable tie

Technical Properties

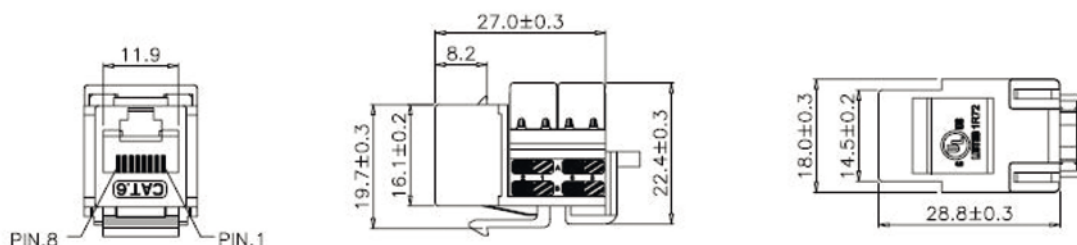
Housing material:	ABS UL 94V-0
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to + 70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

Data Cable	DK-1613-VH // DK-1511-V
Patch Cable	DK-1613 // DK-1614 // DK-1511
Patch Panel	DN-91400 // DN-91401
Wall Outlet	DN-93802 // DN-93805
Consolidation-Point Enclosures	DN-93907 // AT-AG 302A-WH
Floor Tank	AN-25178 // AN-25179
DIN-Rail Adapter	AN-25184 // AN-25185 // AN-25186

DN-93601

DN-93501


RJ45 Coupler for Patch Panel mounting, shielded

CAT 6A
500 MHz

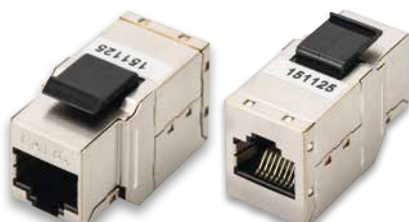
10 GBit

CAT 6
250 MHz

1 GBit

CAT 5e
100 MHz

10/100 MBit



DN-93906



DN-93613-1



DN-93513

Product Number	EAN	Ports	Shielding	Package Content
DN-93906	291831	1	yes	Coupler

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Ports	Shielding	Package Content
DN-93613-1	266846	1	yes	Coupler

Product Information

Transmission Properties:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Shielding	Package Content
DN-93513	245179	1	yes	Coupler

Product Information

Transmission Properties:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
2x RJ45 Female, 8P8C
360°-shield contact
Connection 1:1

Technical Properties

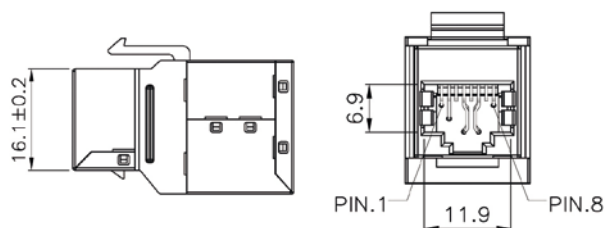
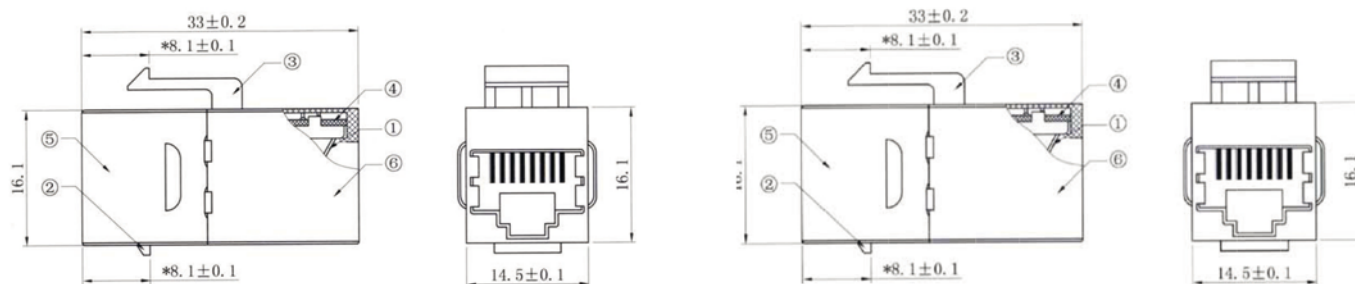
Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 μ gold-plated contact
RJ45 shielding:	Tinned bronze
Conductor plate:	FR4, UL 94V-0

Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

CAT 6 _A Patch Cable	DK-1644-A // DK-1643-A
CAT 6 Patch Cable	DK-1644
CAT 5e Patch Cable	DK-1531 // DK-1521 // DK-1532 // DK-1522


DN-93906

DN-93613-1
DN-93513

19" Patch Panel for Keystone Modules, shielded



DN-91410

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91410	280781	24	Grey (RAL 7035)	1U	yes	Patch Panel, Cable Tie
DN-91411	280798	24	Black (RAL 9005)	1U	yes	Patch Panel, Cable Tie

Product Information

Layout Keystone Entry:	Straight (24-Port)
Area of Application:	19" cabinet
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
Suitable for unshielded DIGITUS® Keystone Modules and Couplers
Central grounding connection

Technical Properties

Housing material:	1.5 mm SPCC cold rolled steel sheet, powder-coated
Material standard:	EN 10 130(1991), BS 1449, NFA 36/401, DIN 1623, UNI 5866, UNE 36-086, SIS, JIS G 3141, ASTM, SAE
Grounding bar material:	Galvanized steel
Grounding wire:	18 AWG
Length	40 cm

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93512
STP Keystone Coupler	DN-93906 // DN-93613-1 // DN-93513

19" Patch Panel for Keystone Modules, staggered



DN-91412S-ANP

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91412S-ANP	324041	24	Black (RAL 9005)	1U	yes	Patch Panel, Cable Tie

Product Information

Layout Keystone Entry:	Staggered, 45° angled Ports
Area of Application:	19" cabinet
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91412	295105	24	Black (RAL 9005)	1U	yes	Patch Panel, Cable Tie

Product Information

Layout Keystone Entry:	Staggered
Area of Application:	19" cabinet
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
Suitable for DIGITUS® Keystone Modules and Couplers
Cable fixing with cable ties
Central grounding connection

Technical Properties

Housing material:	1.5 mm SPCC cold rolled steel sheet, powder-coated
Material standard:	EN 10 130(1991), BS 1449, NFA 36/401, DIN 1623, UNI 5866, UNE 36-086, SIS, JIS G 3141, ASTM, SAE
Grounding bar material:	Galvanized steel
Grounding wire:	18 AWG
Length	40 cm

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93512
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19" Patch Panel for Keystone Modules, High Density



DN-91424

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91424	343318	48	Black (RAL 9005)	1U	yes	Distribution Panel, Cable Tie
DN-91422	343295	24	Black (RAL 9005)	0.5U	yes	Distribution Panel, Cable Tie

Product Information

Layout Keystone Entry:	Straight (24-Port), double-row (48-Port)
Area of Application:	19" cabinet
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
Suitable for shielded DIGITUS® Keystone Modules and Couplers
Cable fixing with cable tie
Central grounding connection
Integrated dust cover
Plastic label field

Technical Properties

Housing material:	1.5 mm SPCC cold rolled steel sheet, powder-coated
Material standard:	EN 10 130(1991), BS 1449, NFA 36/401, DIN 1623, UNI 5866, UNE 36-086, SIS, JIS G 3141, ASTM, SAE
Grounding bar material:	Galvanized steel
Grounding wire:	18 AWG
Length	40 cm

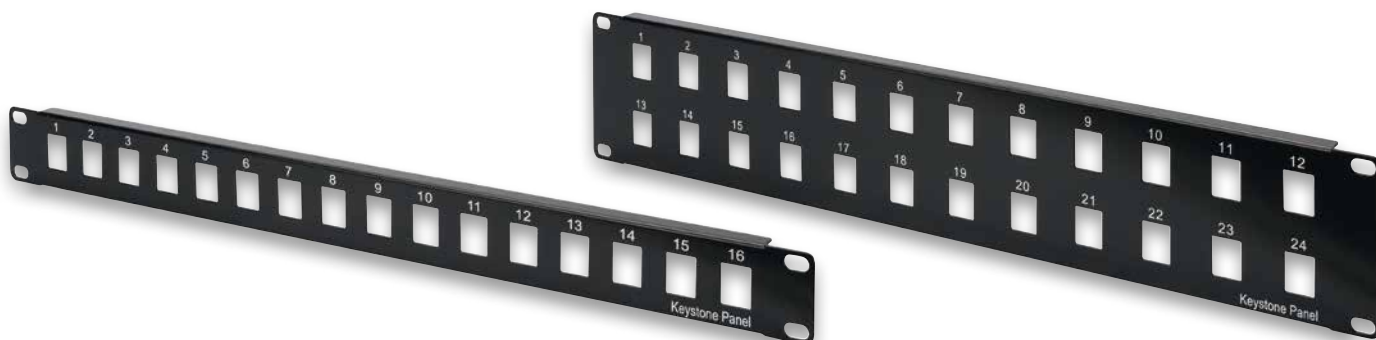
Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93512
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19" Patch Panel for Keystone Modules, unshielded



DN-91400

DN-91401

Product Number	EAN	Ports	Color	Height	Shielding	Package Content
DN-91401	280781	24	Black (RAL 9005)	2U	no	Distribution Panel
DN-91400	280798	16	Black (RAL 9005)	1U	no	Distribution Panel

Product Information

Layout Keystone Entry:	Straight (16-Port), double-row (24-Port)
Area of Application:	19" cabinet
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for 483 mm (19") cabinet mounting
Suitable for unshielded DIGITUS® Keystone Modules and Couplers

Technical Properties

Housing material:	1.5 mm SPCC cold rolled steel sheet, powder-coated
Material standard:	EN 10 130(1991), BS 1449, NFA 36/401, DIN 1623, UNI 5866, UNE 36-086, SIS, JIS G 3141, ASTM, SAE

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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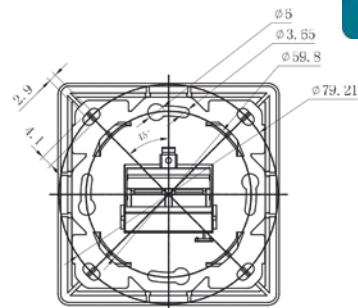
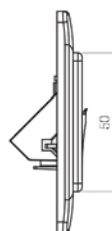
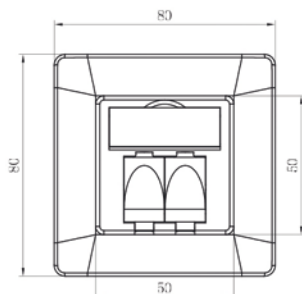
Cross Reference

UTP Keystone Module	DN-93606 // DN-93603 // DN-93601 // DN-93502 // DN-93501
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Wall Outlet for Keystone Modules, German Layout, design compatible



DN-93831



Product Number	EAN	Style	Color	Type	Layout	Package Content
DN-93831	362418	2-Port	Pure white (RAL 9003)	Flush mount	GER - central plate (50x50); frame (80x80)	Wall Outlet, Central Plate, Frame
DN-93803	259367		Pure white (RAL 9003)	Surface mount	GER - frame (80x80)	Surface Mount Box

Product Information

Layout Keystone Entry:	45° outlet
Area of Application:	Cavity socket, trunking, surface mount box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installation in trunking, flush and surface mount
Plug direction of module 45° vertical
Central ground connection
Integrated dust cover
Plastic label field
Design compatible to current switch ranges of switch manufacturers

Technical Properties

Wall outlet material:	Die-cast metal
Central plate material:	ABS UL 94V-0
Frame material:	ABS UL 94V-0
Surface mount box material:	ABS UL 94V-0

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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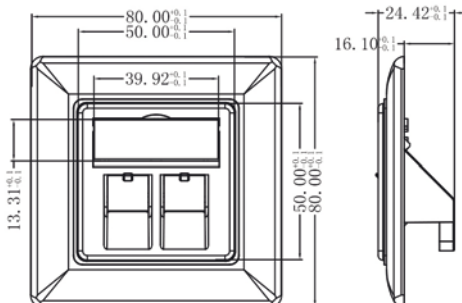
Cross Reference

STP Keystone Module	DN-93617
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Wall Outlet for Keystone Modules, German layout



DN-93801-1



DN-93803

Product Number	EAN	Style	Color	Type	Layout	Package Content
DN-93801-1	306160	2-Port	Pure white (RAL 9003)	Flush mount	GER - central plate (50x50); frame (80x80)	Wall Outlet, Central Plate, Frame
DN-93811	305743	1-Port	Pure white (RAL 9003)	Flush mount	GER - central plate (50x50); frame (80x80)	Wall Outlet, Central Plate, Frame
DN-93821	305750	3-Port	Pure white (RAL 9003)	Flush mount	GER - central plate (50x50); frame (80x80)	Wall Outlet, Central Plate, Frame
DN-93803	259367		Pure white (RAL 9003)	Surface mount	GER - frame (80x80)	Surface Mount Box

Product Information

Layout Keystone Entry:	45° outlet
Area of Application:	Cavity socket, trunking, surface mount box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installation in trunking, flush and surface mount
Plug direction of module 45° vertical
Central ground connection
Integrated dustcover
Plastic label field

Technical Properties

Wall outlet material:	Die-cast metal
Central plate material:	ABS UL 94V-0
Frame material:	ABS UL 94V-0
Surface mount box material:	ABS UL 94V-0

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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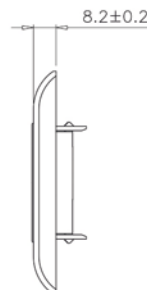
Cross Reference

STP Keystone Module	DN-93615 // DN-93612-1 // DN-93611 // DN-93512
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Wall Outlet for Keystone Modules, French Layout // British Layout



DN-93802



DN-93804

Product Number	EAN	Style	Color	Type	Layout	Package Content
DN-93802	259350	2-Port	Pure white (RAL 9003)	Flush mount	FR - central plate (45x45); frame (80x80)	Wall Outlet, Central Plate, Frame
DN-93804	309987		Pure white (RAL 9003)	Surface mount	FR - frame (80x80)	Surface Mount Box
DN-93805-1	378013	2-Port	Pure white (RAL 9003)	Flush mount	UK - central plate (45x45); frame (86x86)	Wall Outlet, Central Plate, Frame
DN-93806-1	378020		Pure white (RAL 9003)	Surface mount	UK - frame (86x86)	Surface Mount Box

Product Information

Layout Keystone Entry:	90° outlet
Area of Application:	Cavity socket, trunking, surface mount box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installation in trunking, flush and surface mount
Plug direction of module 90° vertical
Integrated dustcover
Plastic label field

Technical Properties

Central plate material:	ABS UL 94V-0
Frame material:	ABS UL 94V-0
Surface mount box material:	ABS UL 94V-0

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

UTP Keystone Module	DN-93606 // DN-93603 // DN-93502 // DN-93601 // DN-93501
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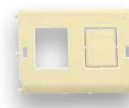
Wall Outlet for Keystone Modules, Outdoor Section, IP44



DN-93844-OD



DN-93844-OD



DN-93844-OD-1

Product Number	EAN	Style	Color	Type	Layout	Package Content
DN-93844-OD	370857		Anthracite, grey	Surface mount	Wall Outlet, Surface Mount (75x86x58)	Wall Outlet
DN-93844-OD-1	370864	2-Port	Pearl white (RAL 1013)		Inlet	Inlet

Product Information

Layout Keystone Entry:	90° outlet
Area of Application:	Outdoor section, industrial sector
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for outdoor section and industrial sector usage, IP44
Plug direction of module 90° vertical
Integrated top cover
Plastic label field

Technical Properties

Wall outlet material:	Thermoplast, ABS UL94V-0
Top cover material:	Thermoplast, ABS UL94V-0
Inlet material:	Thermoplast, ABS UL94V-0

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93611 // DN-93512
UTP Keystone Module	DN-93906 // DN-93603 // DN-93601 // DN-93502 // DN-93501

Wall Outlet for Keystone Modules, IP44



Product Number	EAN	Style	Color	Type	Version	Package Content
DN-93845-OD	379676	2-Port	Grey (RAL 7035)	Surface mount	Wall Outlet	Wall Outlet, Assembly Work, Keys

Product Information

Mounting method:	Surface mount
Housing material:	Plastic
Housing surface:	Matt grey (RAL 7035)
Dimensions:	93x93x90 mm
Weight:	265 g
Plug quantity:	2x RJ45 modules
Outlet direction:	Bottom

General Properties

Lower part of housing rotatable by 180°, therefore cable entry above or below possible without creating additional work
Design compatible
Dust cover
Labeling field for identification
Mounting via claw
Lock against unauthorised access

Technical Properties

Wall outlet material:	Thermoplast, ABS UL94V-0
Top cover material:	Thermoplast, ABS UL94V-0
Inlet material:	Thermoplast, ABS UL94V-0

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93611 // DN-93512
UTP Keystone Module	DN-93906 // DN-93603 // DN-93601 // DN-93502 // DN-93501

Consolidation-Point Enclosure



AT-AG 302A-WH

DN-93705

Product Number	EAN	Ports	Color	Shielding	Package Content
AT-AG 302A-WH	180135	2	Pure white (RAL 9003)	no	Enclosure
DN-93705	259411	6; 12	Pure white (RAL 9003)	no	Enclosure

Product Information

Layout Keystone Entry:	Straight (2-Port), straight (6-Port), sideways (12-Port)
Area of Application:	Raised floor, trunking, inserted ceiling, wall fastening (surface mount)
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

For installation in raised floor, trunking, inserted ceiling, wall fastening (surface mount)
Suitable for all DIGITUS® Consolidation-Point Cables and Keystone Modules

Technical Properties

Housing material:	ABS UL-94V-0
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Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

Consolidation-Point	DK-1744-CP // DK-1741-CP
Keystone Module (STP)	DN-93617 // DN-93615 // DN-93612 // DN-93611 // DN-93512
Keystone Module (UTP)	DN-93606 // DN-93603 // DN-93601 // DN-93502 // DN-93501

CAT 6_A, S/FTP Consolidation-Point Cable, shielded



Product Number	EAN	Connection	Color	Shielding	Package Content
DK-1744-CP-010	380986	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1744-CP-020	380993	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1744-CP-030	381006	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1744-CP-050	381013	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1744-CP-070	381020	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1744-CP-100	381037	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

General Properties

Suitable for installation in double floor, trunking and false ceiling
RJ45 jack, 8P8C
RJ45 plug, 8P8C
Flexible installation due to reduced wire diameter
360°-shield connectivity
Dust cover included in package content

Technical Properties Flexible Patch Cable, Bulk

Cabel type:	DIGITUS® CAT 6 _A Flex Cable
Shielding:	S/FTP, pair in metal foil and braid shield
Sheath:	LSZH-1 (FRNC-B); halogeen-free
Core cross-section:	AWG 26/7
Transmission characteristics:	500 MHz

Technical Properties Keystone Module

Product Number:	DN-93615
Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 µ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, UL 94V-0



Technical Properties RJ45 Modular Plug

Plug type:	DIGITUS® RJ45 Plug
Material contacts:	Phosphor bronze
Contacts coating:	Nickel, 0.5 µ gold-plated
Material connector body	Polycarbonat
Material shielding housing	Brass 0.5 mm, 2 µ nickel-plated
Flammability:	UL 94V-2

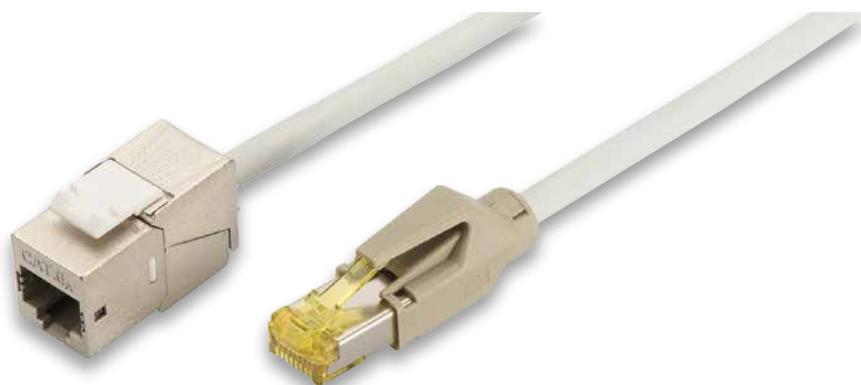
Physical Properties

Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

CP Enclosure	DN-93705 // AT-AG 302A-WH
Patch Panel LSA	DN-91624S-EA
Patch Panel Keystone	DN-91410 // DN-91411 // DN-91412 // DN-91412S-ANP // DN-91422 // DN-91424

CAT 6_A, S/FTP Consolidation-Point Cable, shielded



Product Number	EAN	Connection	Color	Shielding	Package Content
DK-1741-CP-010	371656	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1741-CP-020	371663	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1741-CP-030	371670	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1741-CP-050	371687	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1741-CP-070	371694	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable
DK-1741-CP-100	371700	1:1	Grey (RAL 7035)	yes	Consolidation-Point Cable

Product Information

Transmission Properties:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

General Properties

Suitable for installation in double floor, trunking and false ceiling
RJ45 jack, 8P8C
RJ45 plug, 8P8C
Flexible installation due to reduced wire diameter
360°-shield connectivity
Dust cover included in package content

Technical Properties Flexible Patch Cable, Bulk

Product Number:	DK-1741-PH
Cabel type:	DRAKA UC900 SS CAT 7 S/FTP flex
Shielding:	S/FTP, pair in metal foil and braid shield
Sheath:	LSZH-1 (FRNC-B); halogen-free
Core cross-section:	AWG 27/7
Transmission characteristics:	600 MHz

Technical Properties Keystone Module

Product Number:	DN-93617
Housing material:	Zinc die-cast, nickel-plated
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze
	0.5 μ gold-plated contact
RJ45 shielding:	Tinned bronze
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Tinned phosphor bronze
Conductor plate:	FR4, UL 94V-0



Technical Properties RJ45 Modular Plug

Product Number:	A-MO6A 8/8 HRS
Plug type:	Hirose HRS TM31 RJ45 Plug
Material contacts:	Phosphor bronze
Contacts coating:	Nickel, 0.8 μ gold-plated
Material connector body:	Polycarbonat
Material shielding housing:	Brass 0.5 mm, 2 μ nickel-plated
Flammability:	UL94V-2

Physical Properties

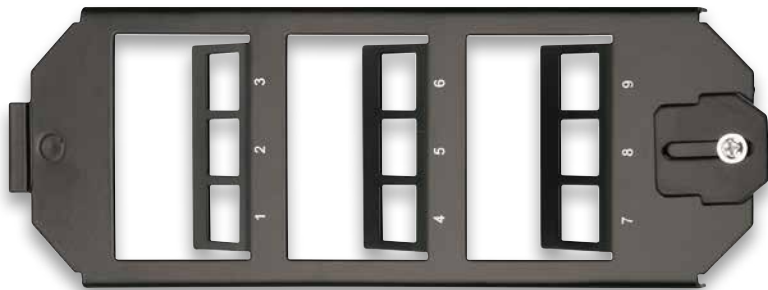
Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug
Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles female:	> 750 acc. to ISO/IEC 11801, IEC 60603-7-5
Clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

CP Enclosure	DN-93705 // AT-AG 302A-WH
Patch Panel LSA	DN-91624S-EA
Patch Panel Keystone	DN-91410 // DN-91411 // DN-91412 // DN-91412S-ANP // DN-91422 // DN-91424

Frame Set, Keystone

Frame Set for Keystone Modules



AN-25179



Product Number	EAN	Style	Color	Package Content
AN-25178	302261	6x Keystone	Black (RAL 9005)	Frame Set
AN-25179	302780	9x Keystone	Black (RAL 9005)	Frame Set

Product Information

Layout Keystone Entry:	45° outlet
Area of Application:	Floor box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for GES2, GES4, GES 4/10, GESR 4, GES 6, GES 6/10, GESR 8/10
Frame suitable for installation in Ackermann floor box (OBO Bettermann Underfloor Systems)
Plug direction of module 45° vertical

Technical Properties

Housing material:	Metal
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Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93512
UTP Keystone Module	DN-93606 // DN-93603 // DN-93601 // DN-93502 // DN-93501

DIN-Rail Adapter, Keystone

DIN-Rail Adapter for Keystone Modules



AN-25184

AN-25185



Product Number	EAN	Design	Color	Package Content
AN-25185	306344	2x Keystone	Silver	DIN-Rail Adapter
AN-25184	305859	1x Keystone	Silver	DIN-Rail Adapter

Product Information

Layout Keystone Entry:	45° vertical outlet
Area of Application:	Electrical distribution box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installation on DIN-Rail in electrical distribution boxes

Technical Properties

Housing material:	Metal
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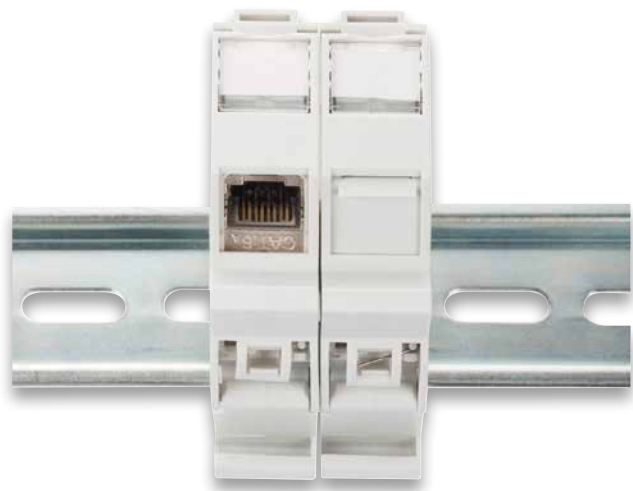
Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612 // DN-93611 // DN-93512
UTP Keystone Module	DN-93606 // DN-93603 // DN-93502 // DN-93501

DIN-Rail Adapter for DIGITUS® DN-93617 Keystone Modules IP20



Product Number	EAN	Design	Color	Package Content
AN-25187	379300	1x Keystone	Grey (RAL 7035)	DIN-Rail Adapter

Product Information	
Layout Keystone Entry:	45° vertical outlet
Area of Application:	Electrical distribution box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

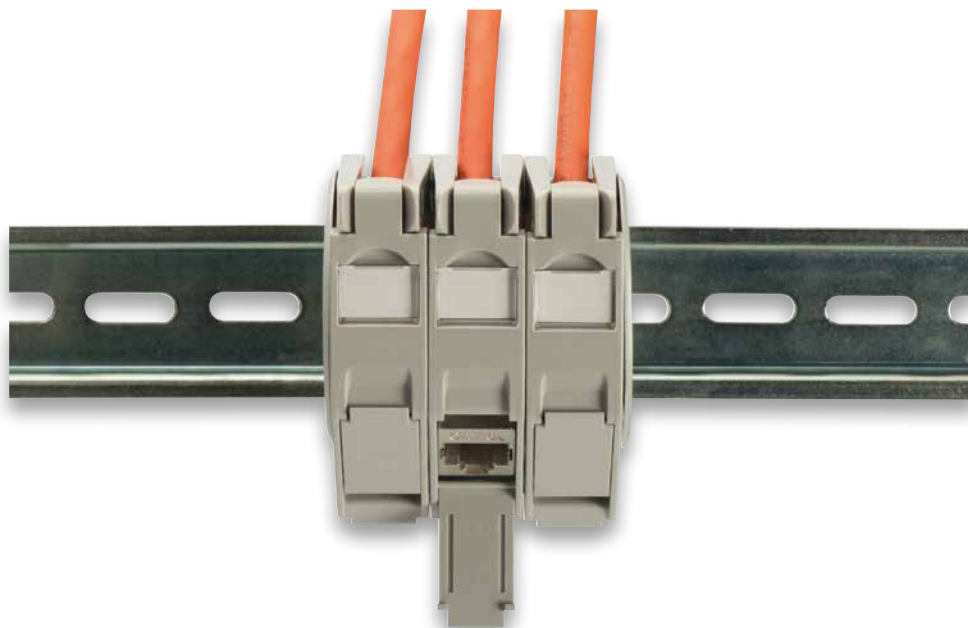
General Properties	
Suitable for installation on DIN-Rail in electrical distribution boxes	
Integrated dust cover	
IP protection class IP20	

Technical Properties	
Housing material:	ABS UL 94V-0

Physical Properties	
Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)

Cross Reference	
STP Keystone Module	DN-93617

DIN-Rail Adapter for all DIGITUS® Keystone Modules IP20



Product Number	EAN	Design	Color	Package Content
AN-25186	372981	1x Keystone	Grey (RAL 7035)	DIN-Rail Adapter, 2x Lateral Cover Caps

Product Information	
Layout Keystone Entry:	45° vertical outlet
Area of Application:	Electrical distribution box
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties	
Suitable for installation on DIN-Rail in electrical distribution boxes	
Integrated dust cover	
Lateral cover caps	
IP protection class IP20	

Technical Properties	
Housing material:	ABS UL 94V-0

Physical Properties	
Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801; EN 50173-1; ANSI/TIA/EIA 568 C)

Cross Reference	
STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93611 // DN-93512
UTP Keystone Module	DN-93606 // DN-93603 // DN-93502 // DN-93501

Junction Box (LSA+), shielded



DN-93907-1



DN-93903

Product Number	EAN	Color	Shielding	Package Content
DN-93907-1	363590	Black (RAL 9005)	yes	Junction Box, Cable Tie

Product Information

Layout Keystone Entry:	Category 6 _A
Area of Application:	Up to 500 MHz, 10GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C, 802.3af, 802.3at PoE+

Product Number	EAN	Color	Shielding	Package Content
DN-93903	267133	Silver grey (RAL 7001)	yes	Junction Box, Cable Tie

Product Information

Layout Keystone Entry:	Category 6
Area of Application:	Up to 250 MHz, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

Product Number	EAN	Color	Shielding	Package Content
DN-93902	266495	Silver grey (RAL 7001)	yes	Junction Box, Cable Tie

Product Information

Layout Keystone Entry:	Category 5e
Area of Application:	Up to 100 MHz, 10/100Base-T, 1GBase-T
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

Suitable for installation in trunking, surface and flush mount
Cable installation via LSA+-strips, color coded according to EIA/TIA 568 A & B
Suitable for connection of installation cables - extension of cables, replacing of defect cable links
Integrated strain relief for installation cables
Suitable for AWG 22 - 26 wire diameter

Technical Properties

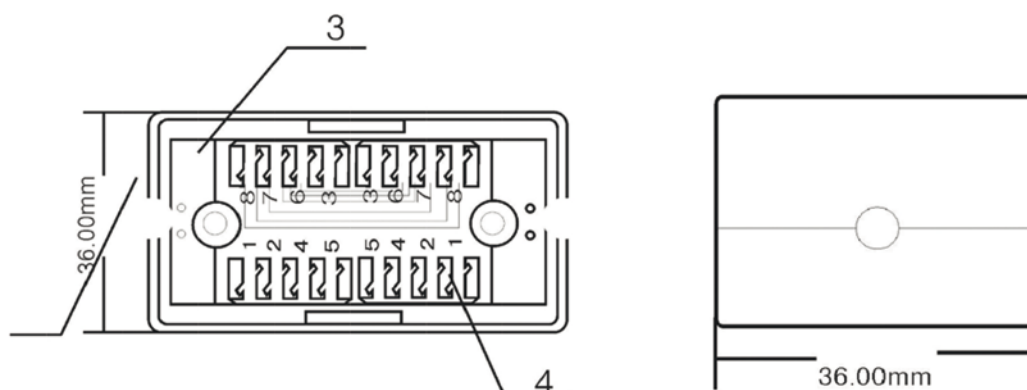
Housing material:	ABS UL 94V-0
RJ45 jack material:	Housing: ABS UL 94V-0
	Contact clamp: ABS UL 94V-0
RJ45 jack contact:	Phosphor bronze with nickel-plated
	0.5μ gold-plated contacts
RJ45 shielding:	Bronze with nickel-plated
LSA termination clamp:	Krone LSA+
	UL 94V-2
	Phosphor bronze with tin-plated
Conductor plate:	FR4, UL 94V-0

Physical Properties

Operation temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
Mating cycles clamp:	> 200 acc. to ISO/IEC 11801, IEC 60603-7-5
IDC wire size:	22 – 26 AWG solid and stranded conductor
Insulation resistance:	> 500 MOhm
Contact resistance:	< 20 MilliOhm
Dielectric strength:	1000 VDC (Contact/Contact)
	1500 VDC (Contact/Ground)

Cross Reference

CAT 7, 6 _A Installation Cable	DK-1743-VH // DK-1741-VH // DK-1623-A-VH
CAT 6 Installation Cable	DK-1623-VH
CAT 5e Installation Cable	DK-1531-V // DK-1521-V

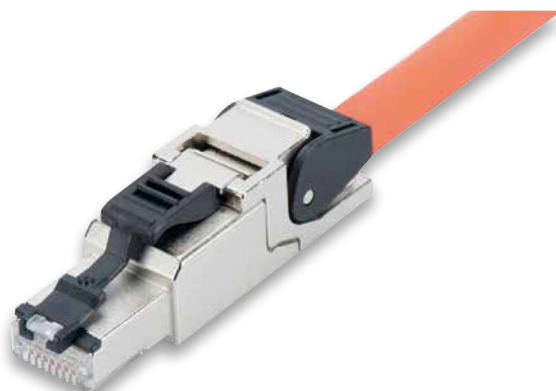


RJ45 Field Plug

RJ45 Plug for Assembling



A-MFP6A 8-8 TG



A-MFP6A 8-8 TG

Product Number	EAN	Category	Color Coding	Shielding	VPE
A-MFP6A 8-8 TG	302599	CAT 6 _A	T568A	360° Shielding	10 Pcs.
A-MFP6A 8-8 TG-B	317357	CAT 6 _A	T568B	360° Shielding	10 Pcs.
A-MFC6A-8-8	381969	CAT 6 _A	T568A,B	360° Shielding	1 Pcs.

Product Information

Layout Performance:	CAT 6 _A ; 10GBase-T
Area of Application:	For extension and reparation of networks; for cabling in office buildings, data centers, industry facilities and home improvements
Norms:	IEC 60603-7-51, IEEE 802.3, IEEE 802.3an, ISO/IEC 11801 2nd Ed., EN50173-1, EIA/TIA 568-C

General Properties

Pre-assembled protection cap
Robust zinc housing
3-stage cable clamping (cable diameter 5.0-9.0 mm)
Attachable in only 60 seconds without special tools
Optimized for field usage, also in harsh conditions
Secure transmission, even with interferences from outside
4-chambers wire manager
Cross sections AWG 27/7-22/7; AWG 24/1-22/1

Technical Properties

Core diameter:	0.85-1.6 mm
Cable diameter:	5.0-9.0 mm

Cross Reference

CAT 7, 6 _A Installation Cable	DK-1743-A-VH // DK-1741-A-VH // DK-1743-VH // DK-1741-VH // DK-1623-A-VH
CAT 6 Installation Cable	DK-1623-VH

Hirose RJ45 Modular Plugs for Round Cables



A-MO6A 8/8 HRS



A-MO6 8/8 HRS



A-MO 8/8 HRS

Product Number	EAN	Category	Cable Type	Color	Shielding
A-MO6A 8/8 HRS	272144	CAT 6 _A /TM31	Round Cable	yellow	shielded
A-MO6 8/8 HRS	132943	CAT 6/TM21	Round Cable	red	shielded
A-MO 8/8 HRS	065142	CAT 5e/TM11	Round Cable	white	shielded

Product Information

Layout Performance:	CAT 6A (TM31) 10GBase-T; CAT 6 (TM21) 1GBase-T; CAT 5e (TM11) 10/100Base-T; 1GBase-T
Area of Application:	Patchkabelkonfektion
Norms:	ISO/IEC 11801 2nd Ed., EN50173-1, EIA/TIA 568-C

General Properties

Fully shielded with strain relief for installation cables
Integrated kink protection boot
Incl. comb

Technical Properties

Mating cycles:	≥ 750
Connector material:	Polycarbonat, clear
Connector contact:	Phosphor bronze
	Brass, 0.8 µ gold-plated
Material shielding housing:	Brass 0.5 mm, 2 µ nickel-plated
Flammability rating:	UL 94V-2

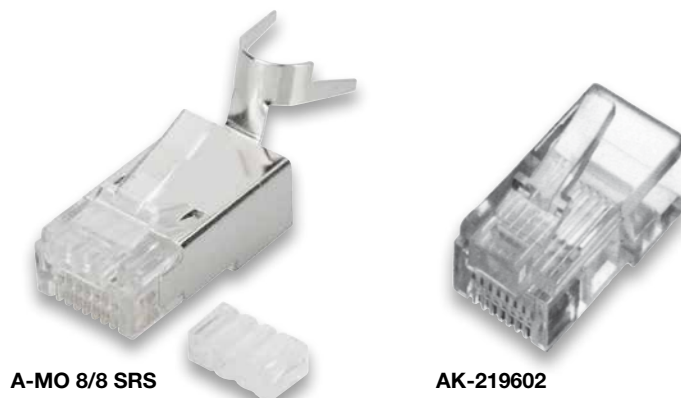
Physical Properties

Insertion force:	≤ 30N
Diameter Cu-Conductor:	AWG (27/7 ... 24/7)
Operating temperature:	-20 °C to +60 °C
Current carrying capacity:	1A at 50 °C
Diameter outer jacket:	5.5 ... 6.2 mm

Cross Reference

Hirose Modular Crimping Tool	DN-94008
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Modular Plug



A-MO 8/8 SRS

AK-219602

Product Number	EAN	Category	Cable Type	Diameter Cable Jacket	Shielding
AK-219604	380627	CAT 6 _A	Round Cable	5.5 ... 6.2 mm	shielded
AK-219603	316817	CAT 6	Round Cable	5.5 ... 6.2 mm	unshielded
AK-219602	316787	CAT 6	Round Cable	5.5 ... 6.2 mm	shielded
A-MO 8/8 SRS	065180	CAT 5e	Round Cable	3.2 ... 5.5 mm	unshielded
A-MO 8/8 SR	065173	CAT 5e	Round Cable	5.5 ... 6.2 mm	shielded
A-MO 6/4 SF	065111	CAT 3	Flat Cable	2.0 ... 3.5 mm	unshielded
A-MO 6/6 SF	065135	CAT 3	Flat Cable	2.0 ... 3.5 mm	unshielded
A-MO 8/8 SF	065159	CAT 3	Flat Cable	2.0 ... 3.5 mm	unshielded

Product Information

Layout Performance:	CAT 6 _A 10GBase-T, CAT 6 1GBase-T, CAT 5e 10/100 Base-T, CAT 3 1GBase-T
Area of Application:	Patch cable manufacturing
Norms:	ISO/IEC 11801 2nd Ed., EN50173-1, EIA/TIA 568-C

General Properties

Available as RJ11, 6P4C/RJ12, 6P6C/RJ45, 8P8C
UL licensed

Technical Properties

Mating cycles:	≥ 750
Connector material:	Polycarbonat, clear
Connector contact:	Phosphor bronze
	Nickel, 0.6 µ gold-plated
Flammability rating:	UL 94V-2

Physical Properties

Insertion force:	≤ 20N - ≤ 30N
Diameter copper conductor:	AWG (27/7 ... 24/7)
Operating temperature	-40 °C to +80 °C
Current carrying capacity:	1A-1,5A at 50 °C

Cross Reference

Multi Modular Crimping Tool	DN-94004
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Kink Protection Sleeves for RJ45 Plugs



Product Number	EAN	Color
A-MOT 8/8	065197	Black
A-MOT/B 8/8	065203	Blue
A-MOT/E 8/8	065210	Grey
A-MOT/G 8/8	065227	Green
A-MOT/R 8/8	065234	Red
A-MOT/Y 8/8	065241	Yellow

General Properties

Operating temperature: -40 °C to +70 °C

Suitable for shielded and unshielded modular plugs

Latch protection



www.digitus-professional.com

CAT 5e Modular Coupler/Patch Cable Adapter, shielded



AT-AG CX2



AT-AG 2X8/8



DN-93904

Product Number	Assignment	Operating Temperature	Connection	Contact Material	Package Content
AT-AG CX2	1:1, 2:2, 3:3, 4:1, 5:2, 6:6, 7:3, 8:6	-40 °C to +80 °C	2x RJ45 jack	Phosphor bronze	Coupler
AT-AG 2X8/8	1:1	-40 °C to +80 °C	2x RJ45 jack	Phosphor bronze	Coupler
DN-93904	1:1	-40 °C to +80 °C	2x RJ45 jack	Phosphor bronze	Cable Adapter

Technical Properties

Material housing:	ABS halogen-free, UL 94V-0
Contacts coating:	Nickel, 0.5 µ gold-plated
Shielding:	Tinned bronze

Physical Properties

Mating cycles:	≥ 750 (ISO/IEC 11801, IEC 60603-7-5)
Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug

Modular Coupler


AT-AG 8/8 C6S

DN-93901

AT-A 8/8

Product Number	Category	Shielding	Housing
AT-AG 8/8 C6S	CAT 6	shielded	Metal housing
AT-A 8/8	CAT 5e	unshielded	Plastic housing
DN-93901	CAT 5e	unshielded	Plastic housing

Assignment	Operating temperature	Plug Type	Contact Material	Package Content
1:1	-40 °C to +80 °C	2x RJ45 female	Phosphor bronze	Coupler
1:1	-40 °C to +80 °C	2x RJ45 female	Phosphor bronze	Coupler
1:1	-40 °C to +80 °C	2x RJ45 female	Phosphor bronze	Coupler

Technical Properties

Material housing:	ABS UL 94V-0
Contacts coating:	Nickel, 0.5 µ gold-plated
Shielding:	Bronze with nickel-plated
PCB:	FR4, ABS UL 94V-0
Material contacts:	Phosphor bronze

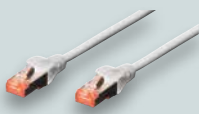
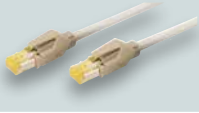
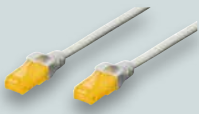
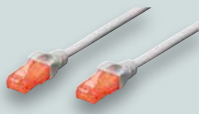
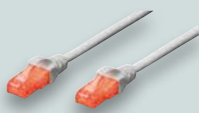
Physical Properties

Mating cycles:	≥ 750 (ISO/IEC 11801, IEC 60603-7-5)
Insertion force:	30N max. (IEC 60603-7-5)
Retention strength:	7.7 kg between jack and plug

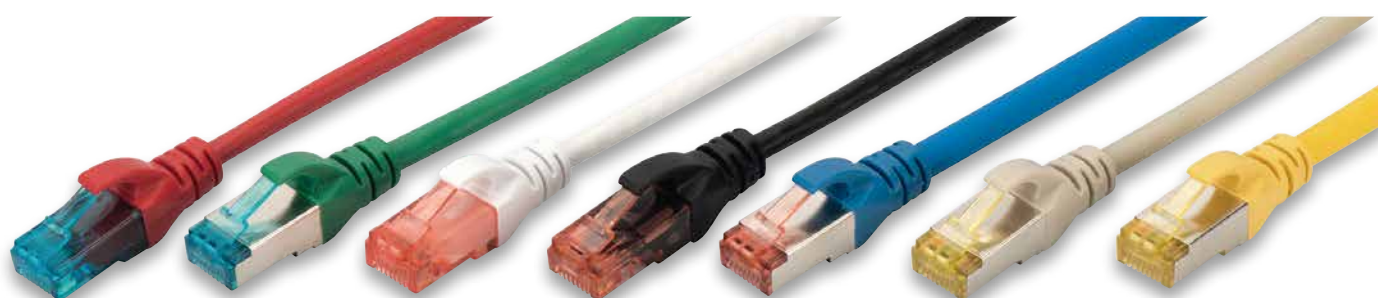
Twisted Pair Patch Cables // Category 6_A to 5e

All DIGITUS® Professional Patch Cables are ISO certified and meet the requirements acc. to EIA/TIA 568-B. A crossover version is available on request. Our range includes shielded and unshielded patch cables from category 6_A over CAT 6 to CAT 5e. Due to colored plugs you can easily identify the category. Thus you will have an overview even on enormous

installation applications. The patch cables are available in the standard colors (grey, blue, black, green, red, yellow), but also special colors like white, orange, brown, purple, etc. are possible. Don't hesitate to get in touch with us so we can discuss your wishes individually. Below you can find an overview which will guide you to the page of each patch cable sort.

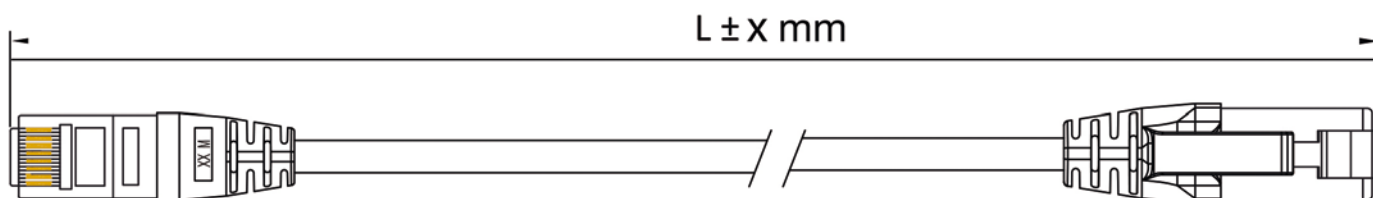
Category 6 _A	Category 6	Category 5e
Page 210  DK-1644-A-xxx Category: 6 _A Shielding: S/FTP Cu, LSZH AWG 26/7	Page 213  DK-1644-xxx Category: 6 Shielding: S/FTP Cu, LSZH AWG 27/7	Page 217  DK-1532-xxx Category: 5e Shielding: SF/UTP PVC AWG 26/7
Page 211  DK-1643-A-xxx DRAKA UC 900 Category: 6 _A Shielding: S/FTP Cu, LSZH, AWG 27/7	Page 214  DK-1644-xxx/BL-OD Category: 6 Shielding: S/FTP Cu, FRPE (Outdoor) AWG 27/7	Page 218  DK-1531-xxx Category: 5e Shielding: SF/UTP Cu, PVC AWG 26/7
Page 212  DK-1613-A-xxx Category: 6 _A Shielding: U/UTP Cu, LSZH AWG 26/7	Page 215  DK-1614-xxx Category: 6 Shielding: U/UTP Cu, PVC AWG 26/7	Page 219  DK-1522-xxx Category: 5e Shielding: F/UTP PVC AWG 26/7
	Page 216  DK-1612-xxx Category: 6 Shielding: U/UTP PVC AWG 26/7	Page 219  DK-1521-xxx Category: 5e Shielding: F/UTP Cu, PVC AWG 26/7
		Page 220  DK-1512-xxx Category: 5e Shielding: U/UTP PVC AWG 26/7
		Page 221  DK-1511-xxx Category: 5e Shielding: U/UTP Cu, PVC AWG 26/7

Patch cables with PUR sheath can be found in the industrial portfolio on page 242-247.



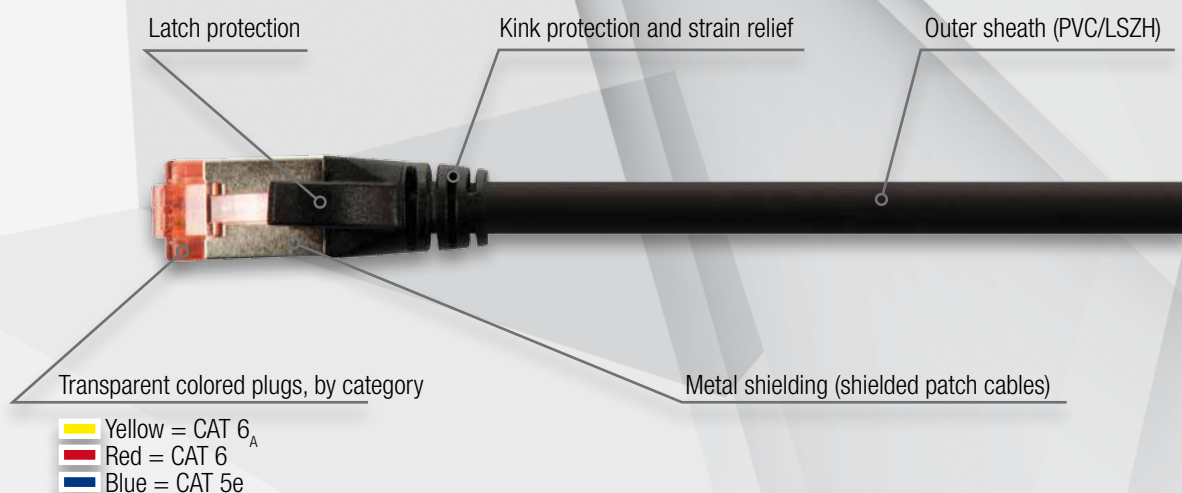
Patch Cables // Length Tolerances

The DIGITUS® Professional Patch Cables are produced by the meter which will be cut into individual lengths before connecting the plugs. In the following chart you can see the actual scope which is allowed in the length (measured from plug to plug).



Length (m)	Tolerance (mm)	Length (m)	Tolerance (mm)
0.15	+20/-6	8	+/-155
0.25	+20/-6	10	+/-200
0.5	+20/-10	12	+/-250
0.75	+20/-13	13	+/-270
1	+/-20	15	+/-310
1.5	+/-30	20	+/-400
2	+/-40	25	+/-500
2.5	+/-50	30	+/-630
3	+/-60	40	+/-840
4	+/-90	50	+/-1000
5	+/-110	70	+/-1300
6	+/-120	75	+/-1500
7	+/-140	100	+/-1800
7.5	+/-150	-	-

Design and Structure of Patch Cables



CAT 6_A S/FTP Patch Cable

- Sheath: LSZH
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: S/FTP
(complete braid shielding, pairs foil shielded)
- Transparent yellow colored plug with metal shielding
- Boots with kink protection and strain relief

- Latch protection
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.15 +/- 0.002 mm
- Diameter cable jacket: 5.9 +/- 0.15 mm
- Isolation stranded wire: FO-PE
- Operating temperature range: -20 °C to +60 °C
- Flame retardancy: IEC 60332-1, IEC 61034



Length/Color	Grey	Blue	Black	Green	Red	Yellow
0.25 m	DK-1644-A-0025 326021	DK-1644-A-0025/B	DK-1644-A-0025/BL	DK-1644-A-0025/G	DK-1644-A-0025/R	DK-1644-A-0025/Y
0.50 m	DK-1644-A-005 327233	DK-1644-A-005/B	DK-1644-A-005/BL	DK-1644-A-005/G	DK-1644-A-005/R	DK-1644-A-005/Y
1.00 m	DK-1644-A-010 327318	DK-1644-A-010/B	DK-1644-A-010/BL	DK-1644-A-010/G	DK-1644-A-010/R	DK-1644-A-010/Y
2.00 m	DK-1644-A-020 327370	DK-1644-A-020/B	DK-1644-A-020/BL	DK-1644-A-020/G	DK-1644-A-020/R	DK-1644-A-020/Y
3.00 m	DK-1644-A-030 327424	DK-1644-A-030/B	DK-1644-A-030/BL	DK-1644-A-030/G	DK-1644-A-030/R	DK-1644-A-030/Y
5.00 m	DK-1644-A-050 327486	DK-1644-A-050/B	DK-1644-A-050/BL	DK-1644-A-050/G	DK-1644-A-050/R	DK-1644-A-050/Y
7.00 m	DK-1644-A-070 327547	DK-1644-A-070/B	DK-1644-A-070/BL	DK-1644-A-070/G	DK-1644-A-070/R	DK-1644-A-070/Y
10.00 m	DK-1644-A-100 327615	DK-1644-A-100/B	DK-1644-A-100/BL	DK-1644-A-100/G	DK-1644-A-100/R	DK-1644-A-100/Y
15.00 m	DK-1644-A-150 327677	DK-1644-A-150/B	DK-1644-A-150/BL	DK-1644-A-150/G	DK-1644-A-150/R	DK-1644-A-150/Y
20.00 m	DK-1644-A-200 327738	DK-1644-A-200/B	DK-1644-A-200/BL	DK-1644-A-200/G	DK-1644-A-200/R	DK-1644-A-200/Y
25.00 m	DK-1644-A-250 327790	DK-1644-A-250/B	DK-1644-A-250/BL	DK-1644-A-250/G	DK-1644-A-250/R	DK-1644-A-250/Y
30.00 m	DK-1644-A-300 327851	DK-1644-A-300/B	DK-1644-A-300/BL	DK-1644-A-300/G	DK-1644-A-300/R	DK-1644-A-300/Y

Yellow highlighted = Available from stock

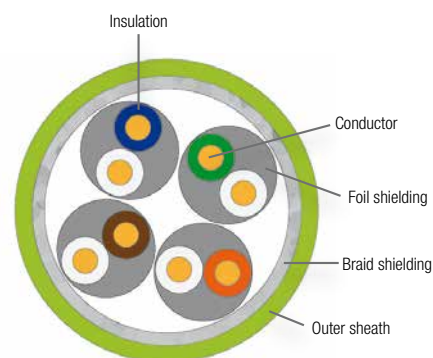
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CAT 6_A S/FTP Patch Cable

- DRAKA UC900 SS CAT 7 S-FTP PimF
- Sheath: LSZH
- Wire cross-section: AWG 27/7
- Conductor: Cu
- Shielding: S/FTP
(complete braid shielding, pairs foil shielded)
- Transparent yellow colored TM31 Hirose plug with metal shielding

- Boots with kink protection and strain relief
- Latch protection
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.15 +/- 0.002 mm
- Diameter cable jacket: 5.9 +/- 0.15 mm
- Isolation stranded wire: FO-PE
- Operating temperature range: -20 °C to +60 °C
- Flame retardancy: IEC 60332-1, IEC 61034



Length/Color	Grey
0.50 m	DK-1643-A-005 // 296249
1.00 m	DK-1643-A-010 // 296294
2.00 m	DK-1643-A-020 // 296348
3.00 m	DK-1643-A-030 // 296393
5.00 m	DK-1643-A-050 // 296621
10.00 m	DK-1643-A-100 // 296720
15.00 m	DK-1643-A-150 // 312505
20.00 m	DK-1643-A-200 // 2302155

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CAT 6_A U/UTP Patch Cable

- Sheath: LSZH
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: U/UTP (unshielded)
- Transparent yellow colored plug
- Boots with kink protection and strain relief
- Latch protection

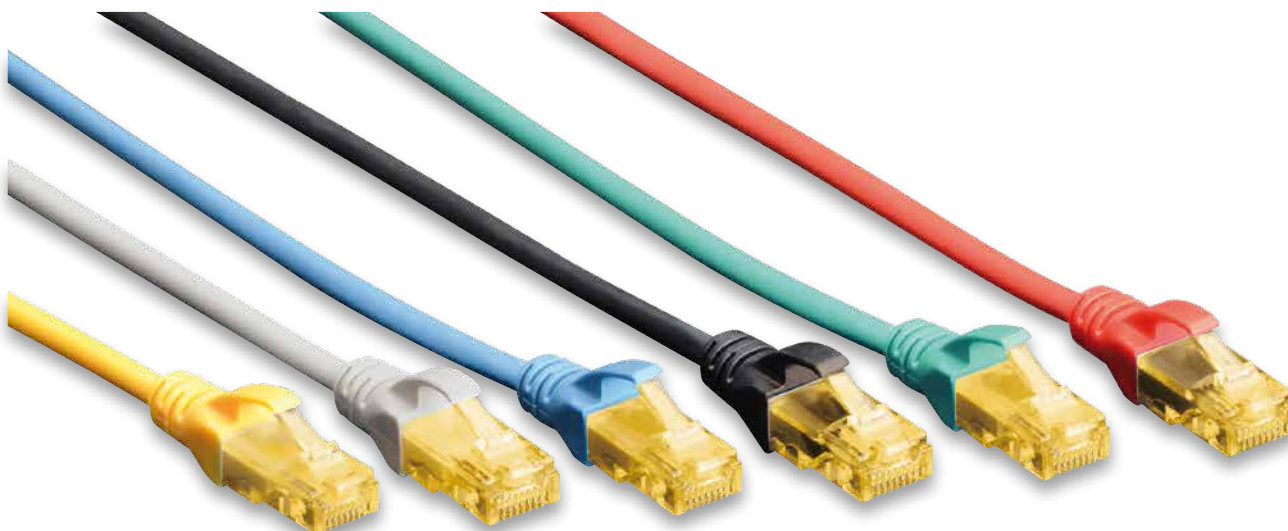
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.155 +/- 0.01 mm
- Diameter cable jacket: 5.0 +/- 0.2 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C
- Flame retardancy: IEC 60332-1, IEC 61034



Length/Color	Grey	Blue	Black	Green	Red	Yellow
0.50 m	DK-1613-A-005 378365	DK-1613-A-005/B	DK-1613-A-005/BL	DK-1613-A-005/G	DK-1613-A-005/R	DK-1613-A-005/Y
1.00 m	DK-1613-A-010 371434	DK-1613-A-010/B	DK-1613-A-010/BL	DK-1613-A-010/G	DK-1613-A-010/R	DK-1613-A-010/Y
2.00 m	DK-1613-A-020 371441	DK-1613-A-020/B	DK-1613-A-020/BL	DK-1613-A-020/G	DK-1613-A-020/R	DK-1613-A-020/Y
3.00 m	DK-1613-A-030 371458	DK-1613-A-030/B	DK-1613-A-030/BL	DK-1613-A-030/G	DK-1613-A-030/R	DK-1613-A-030/Y
5.00 m	DK-1613-A-050 371465	DK-1613-A-050/B	DK-1613-A-050/BL	DK-1613-A-050/G	DK-1613-A-050/R	DK-1613-A-050/Y
7.00 m	DK-1613-A-070 371472	DK-1613-A-070/B	DK-1613-A-070/BL	DK-1613-A-070/G	DK-1613-A-070/R	DK-1613-A-070/Y
10.00 m	DK-1613-A-100 371489	DK-1613-A-100/B	DK-1613-A-100/BL	DK-1613-A-100/G	DK-1613-A-100/R	DK-1613-A-100/Y

Yellow highlighted = Available from stock

not highlighted = Available on request



CAT 6, S/FTP Patch Cable

- Sheath: LSZH
- Wire cross-section: AWG 27/7
- Conductor: Cu
- Shielding: S/FTP
(complete braid shielding, pairs foil shielded)
- Transparent red colored plug with metal shielding
- Boots with kink protection and strain relief

- Latch protection
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.13 +/- 0.003 mm
- Diameter cable jacket: 5.9 +/- 0.15 mm
- Isolation stranded wire: FO-PE
- Operating temperature range: -20 °C to +60 °C
- Flame retardancy: IEC 60332-1, IEC 61034



Length/Color	Grey	Blue	Black	Brown	Green	Magenta	Orange	Red	Violet	White	Yellow
0.25 m	DK-1644-0025 321477	DK-1644-0025/B 321484	DK-1644-0025/BL 321491	DK-1644-0025/BR	DK-1644-0025/G 321507	DK-1644-0025/MG	DK-1644-0025/OR	DK-1644-0025/R 321514	DK-1644-0025/VI	DK-1644-0025/WH	DK-1644-0025/Y 321538
0.50 m	DK-1644-005 321546	DK-1644-005/B 321553	DK-1644-005/BL 321578	DK-1644-005/BR	DK-1644-005/G 321593	DK-1644-005/MG	DK-1644-005/OR 321735	DK-1644-005/R 321580	DK-1644-005/VI	DK-1644-005/WH	DK-1644-005/Y 321613
1.00 m	DK-1644-010 321620	DK-1644-010/B 321637	DK-1644-010/BL 321644	DK-1644-010/BR	DK-1644-010/G 321651	DK-1644-010/MG 328766	DK-1644-010/OR 328773	DK-1644-010/R 321668	DK-1644-010/VI	DK-1644-010/WH	DK-1644-010/Y 321689
2.00 m	DK-1644-020 321716	DK-1644-020/B 321729	DK-1644-020/BL 321743	DK-1644-020/BR	DK-1644-020/G 321767	DK-1644-020/MG 328797	DK-1644-020/OR	DK-1644-020/R 321781	DK-1644-020/VI 328816	DK-1644-020/WH	DK-1644-020/Y 321788
3.00 m	DK-1644-030 321842	DK-1644-030/B 321866	DK-1644-030/BL 321880	DK-1644-030/BR	DK-1644-030/G	DK-1644-030/MG 328834	DK-1644-030/OR	DK-1644-030/R 321910	DK-1644-030/VI	DK-1644-030/WH	DK-1644-030/Y 321941
5.00 m	DK-1644-050 321986	DK-1644-050/B 322016	DK-1644-050/BL 322030	DK-1644-050/BR	DK-1644-050/G 322053	DK-1644-050/MG	DK-1644-050/OR	DK-1644-050/R 322030	DK-1644-050/VI	DK-1644-050/WH	DK-1644-050/Y 322064
7.00 m	DK-1644-070 322061	DK-1644-070/B 322078	DK-1644-070/BL 322085	DK-1644-070/BR	DK-1644-070/G 322108	DK-1644-070/MG	DK-1644-070/OR	DK-1644-070/R 322115	DK-1644-070/VI	DK-1644-070/WH	DK-1644-070/Y 322146
10.00 m	DK-1644-100 322189	DK-1644-100/B 322191	DK-1644-100/BL 322214	DK-1644-100/BR	DK-1644-100/G 322221	DK-1644-100/MG	DK-1644-100/OR	DK-1644-100/R 322245	DK-1644-100/VI	DK-1644-100/WH	DK-1644-100/Y 322276
15.00 m	DK-1644-150 322290	DK-1644-150/B	DK-1644-150/BL	DK-1644-150/BR	DK-1644-150/G	DK-1644-150/MG	DK-1644-150/OR	DK-1644-150/R	DK-1644-150/VI	DK-1644-150/WH	DK-1644-150/Y
20.00 m	DK-1644-200 322343	DK-1644-200/B	DK-1644-200/BL	DK-1644-200/BR	DK-1644-200/G	DK-1644-200/MG	DK-1644-200/OR	DK-1644-200/R	DK-1644-200/VI	DK-1644-200/WH	DK-1644-200/Y
25.00 m	DK-1644-250 328025	DK-1644-250/B	DK-1644-250/BL	DK-1644-250/BR	DK-1644-250/G	DK-1644-250/MG	DK-1644-250/OR	DK-1644-250/R	DK-1644-250/VI	DK-1644-250/WH	DK-1644-250/Y
30.00 m	DK-1644-300 328067	DK-1644-300/B	DK-1644-300/BL	DK-1644-300/BR	DK-1644-300/G	DK-1644-300/MG	DK-1644-300/OR	DK-1644-300/R	DK-1644-300/VI	DK-1644-300/WH	DK-1644-300/Y

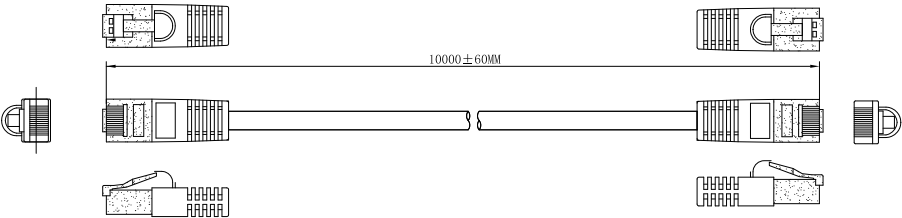
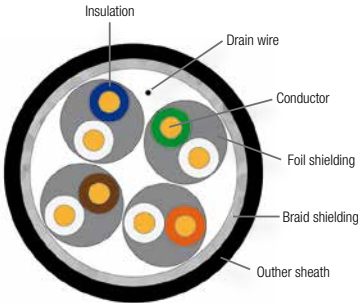
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CAT 6, S/FTP Outdoor Patch Cable

- Sheath: FRPE (Flame Retardant Polyethylene)
 - Wire cross-section: AWG 27/7
 - Conductor: Cu
 - Shielding: S/FTP (complete braid shielding, pairs foil shielded)
 - Inclusive drain wire
 - Transparent plug with metal shielding
 - Boots with kink protection and strain relief
- Latch protection
 - Plug: FCC & IEC 60603-7
 - Stranded wire: 0.140 +/- 0.005 mm
 - Diameter cable jacket: 6.00 +/- 0.20 mm
 - Isolation stranded wire: PE (Polyethylene)
 - Operating temperature range: -30 °C to +80 °C



Length/Color	Black
1.00 m	DK-1644-010/BL-OD // 371311
2.00 m	DK-1644-020/BL-OD // 371342
3.00 m	DK-1644-030/BL-OD // 371350
5.00 m	DK-1644-050/BL-OD // 371373
10.00 m	DK-1644-100/BL-OD // 371380

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Available from stock



CAT 6, U/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: U/UTP (unshielded)
- Transparent red colored plug
- Boots with kink protection and strain relief

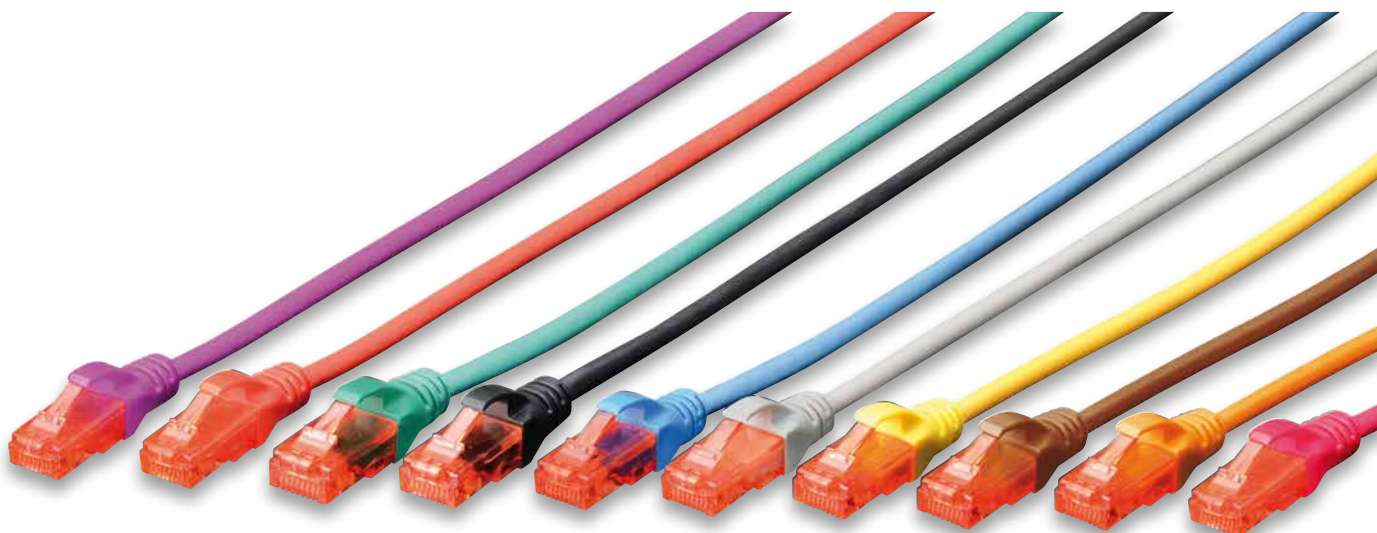
- Latch protection
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.145 +/- 0.015 mm
- Diameter cable jacket: 5.0 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Brown	Green	Magenta	Orange	Red	Violet	White	Yellow
0.25 m	DK-1614-0025 321682	DK-1614-0025/B 321705	DK-1614-0025/BL 321736	DK-1614-0025/BR	DK-1614-0025/G 321750	DK-1614-0025/MG	DK-1614-0025/OR	DK-1614-0025/R 321774	DK-1614-0025/VI	DK-1614-0025/WH 321798	DK-1614-0025/Y 321811
0.50 m	DK-1614-005 315766	DK-1614-005/B 315773	DK-1614-005/BL 321836	DK-1614-005/BR	DK-1614-005/G 315780	DK-1614-005/MG	DK-1614-005/OR	DK-1614-005/R 315797	DK-1614-005/VI	DK-1614-005/WH 321830	DK-1614-005/Y 315803
1.00 m	DK-1614-010 315810	DK-1614-010/B 315827	DK-1614-010/BL 321873	DK-1614-010/BR	DK-1614-010/G 315834	DK-1614-010/MG	DK-1614-010/OR	DK-1614-010/R 315841	DK-1614-010/VI	DK-1614-010/WH 321903	DK-1614-010/Y 315858
1.50 m	DK-1614-015 321716	DK-1614-015/B	DK-1614-015/BL	DK-1614-015/BR	DK-1614-015/G	DK-1614-015/MG	DK-1614-015/OR	DK-1614-015/R	DK-1614-015/VI	DK-1614-015/WH	DK-1614-015/Y
2.00 m	DK-1614-020 315865	DK-1614-020/B 315872	DK-1614-020/BL 321927	DK-1614-020/BR	DK-1614-020/G 315889	DK-1614-020/MG	DK-1614-020/OR	DK-1614-020/R 315896	DK-1614-020/VI	DK-1614-020/WH 321959	DK-1614-020/Y 315902
3.00 m	DK-1614-030 315919	DK-1614-030/B 315926	DK-1614-030/BL 321972	DK-1614-030/BR	DK-1614-030/G 315933	DK-1614-030/MG	DK-1614-030/OR	DK-1614-030/R 315940	DK-1614-030/VI	DK-1614-030/WH 321980	DK-1614-030/Y 315927
5.00 m	DK-1614-050 315964	DK-1614-050/B 315971	DK-1614-050/BL 321989	DK-1614-050/BR	DK-1614-050/G 315995	DK-1614-050/MG	DK-1614-050/OR	DK-1614-050/R 316008	DK-1614-050/VI	DK-1614-050/WH 322092	DK-1614-050/Y 316015
7.00 m	DK-1614-070 316023	DK-1614-070/B	DK-1614-070/BL	DK-1614-070/BR	DK-1614-070/G	DK-1614-070/MG	DK-1614-070/OR	DK-1614-070/R	DK-1614-070/VI	DK-1614-070/WH	DK-1614-070/Y
10.00 m	DK-1614-100 316077	DK-1614-100/B 316084	DK-1614-100/BL 322177	DK-1614-100/BR	DK-1614-100/G 316091	DK-1614-100/MG	DK-1614-100/OR	DK-1614-100/R 316107	DK-1614-100/VI	DK-1614-100/WH 322184	DK-1614-100/Y 315988
15.00 m	DK-1614-150 316114	DK-1614-150/B	DK-1614-150/BL	DK-1614-150/BR	DK-1614-150/G	DK-1614-150/MG	DK-1614-150/OR	DK-1614-150/R	DK-1614-150/VI	DK-1614-150/WH	DK-1614-150/Y
20.00 m	DK-1614-200 316169	DK-1614-200/B	DK-1614-200/BL	DK-1614-200/BR	DK-1614-200/G	DK-1614-200/MG	DK-1614-200/OR	DK-1614-200/R	DK-1614-200/VI	DK-1614-200/WH	DK-1614-200/Y
25.00 m	DK-1614-250 316223	DK-1614-250/B	DK-1614-250/BL	DK-1614-250/BR	DK-1614-250/G	DK-1614-250/MG	DK-1614-250/OR	DK-1614-250/R	DK-1614-250/VI	DK-1614-250/WH	DK-1614-250/Y
30.00 m	DK-1614-300 327165	DK-1614-300/B	DK-1614-300/BL	DK-1614-300/BR	DK-1614-300/G	DK-1614-300/MG	DK-1614-300/OR	DK-1614-300/R	DK-1614-300/VI	DK-1614-300/WH	DK-1614-300/Y

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Available on request



CAT 6, U/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Shielding: U/UTP (unshielded)
- Transparent red colored plug
- Boots with kink protection and strain relief
- Latch protection

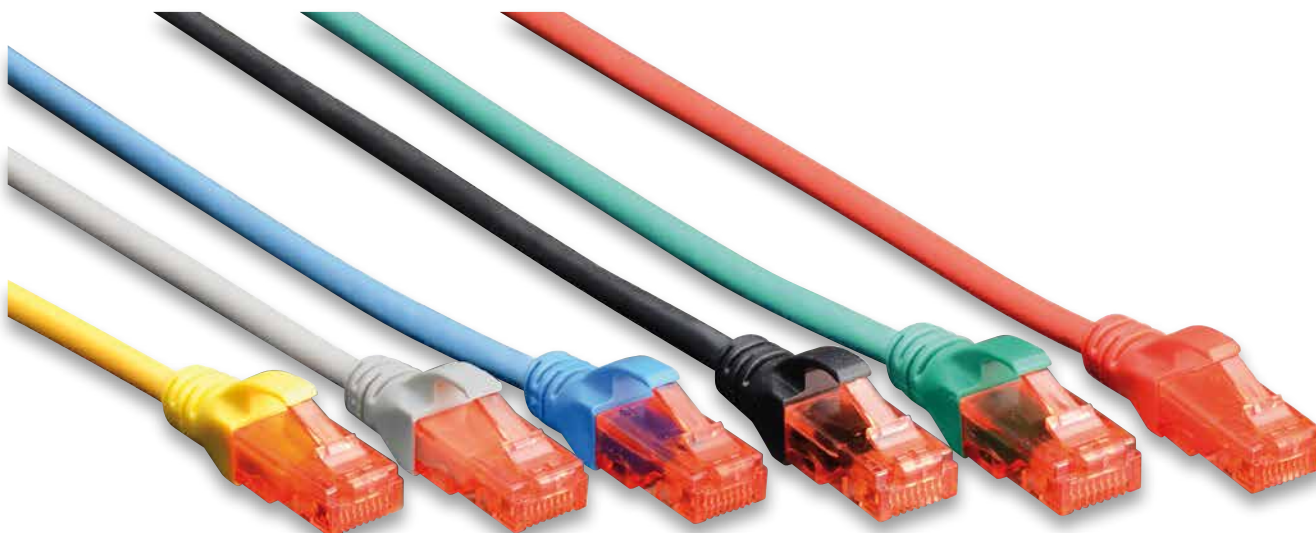
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.155 +/- 0.01 mm
- Diameter cable jacket: 5.0 +/- 0.2 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Green	Red	Yellow
0.50 m	DK-1612-005 371809	DK-1612-005/B 371816	DK-1612-005/BL 371823	DK-1612-005/G 371830	DK-1612-005/R 371847	DK-1612-005/Y 371854
1.00 m	DK-1612-010 371861	DK-1612-010/B 371878	DK-1612-010/BL 371885	DK-1612-010/G 371892	DK-1612-010/R 371908	DK-1612-010/Y 371915
2.00 m	DK-1612-020 371922	DK-1612-020/B 371939	DK-1612-020/BL 371946	DK-1612-020/G 371953	DK-1612-020/R 371960	DK-1612-020/Y 371977
3.00 m	DK-1612-030 371984	DK-1612-030/B 371991	DK-1612-030/BL 372004	DK-1612-030/G 372011	DK-1612-030/R 372028	DK-1612-030/Y 372035
5.00 m	DK-1612-050 372042	DK-1612-050/B 372059	DK-1612-050/BL 372066	DK-1612-050/G 372073	DK-1612-050/R 372080	DK-1612-050/Y 372097
7.00 m	DK-1612-070	DK-1612-070/B	DK-1612-070/BL	DK-1612-070/G	DK-1612-070/R	DK-1612-070/Y
10.00 m	DK-1612-100 372172	DK-1612-100/B 372189	DK-1612-100/BL 372196	DK-1612-100/G 372202	DK-1612-100/R 372219	DK-1612-100/Y 372226
15.00 m	DK-1612-150	DK-1612-150/B	DK-1612-150/BL	DK-1612-150/G	DK-1612-150/R	DK-1612-150/Y
20.00 m	DK-1612-200	DK-1612-200/B	DK-1612-200/BL	DK-1612-200/G	DK-1612-200/R	DK-1612-200/Y

Yellow highlighted = Available from stock

not highlighted = Available on request



CAT 5e, SF/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Shielding: SF/UTP (complete foil- and braid shielding, pairs unshielded)
- Transparent blue colored plug with metal shielding
- Boots with kink protection and strain relief
- Latch protection
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.155 +/- 0.001 mm
- Diameter cable jacket: 5.2 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Green	Red	White	Yellow
0.25 m	DK-1532-0025	DK-1532-0025/B	DK-1532-0025/BL	DK-1532-0025/G	DK-1532-0025/R	DK-1532-0025/WH	DK-1532-0025/Y
0.50 m	DK-1532-005 199703	DK-1532-005/B 199618	DK-1532-005/BL 321057	DK-1532-005/G 199649	DK-1532-005/R 199625	DK-1532-005/WH	DK-1532-005/Y 199632
1.00 m	DK-1532-010 199656	DK-1532-010/B 199731	DK-1532-010/BL 321163	DK-1532-010/G 200000	DK-1532-010/R 199816	DK-1532-010/WH	DK-1532-010/Y 199922
2.00 m	DK-1532-020 199663	DK-1532-020/B 199746	DK-1532-020/BL 321323	DK-1532-020/G 200024	DK-1532-020/R 199823	DK-1532-020/WH	DK-1532-020/Y 199939
3.00 m	DK-1532-030 199670	DK-1532-030/B 199755	DK-1532-030/BL 321408	DK-1532-030/G 200048	DK-1532-030/R 199830	DK-1532-030/WH	DK-1532-030/Y 199946
5.00 m	DK-1532-050 199687	DK-1532-050/B 199762	DK-1532-050/BL 321582	DK-1532-050/G 200055	DK-1532-050/R 199847	DK-1532-050/WH	DK-1532-050/Y 199953
7.00 m	DK-1532-070	DK-1532-070/B	DK-1532-070/BL	DK-1532-070/G	DK-1532-070/R	DK-1532-070/WH	DK-1532-070/Y
10.00 m	DK-1532-100 199700	DK-1532-100/B	DK-1532-100/BL	DK-1532-100/G	DK-1532-100/R	DK-1532-100/WH	DK-1532-100/Y
15.00 m	DK-1532-150 199717	DK-1532-150/B	DK-1532-150/BL	DK-1532-150/G	DK-1532-150/R	DK-1532-150/WH	DK-1532-150/Y
20.00 m	DK-1532-200 199724	DK-1532-200/B	DK-1532-200/BL	DK-1532-200/G	DK-1532-200/R	DK-1532-200/WH	DK-1532-200/Y
25.00 m	DK-1532-250	DK-1532-250/B	DK-1532-250/BL	DK-1532-250/G	DK-1532-250/R	DK-1532-250/WH	DK-1532-250/Y
30.00 m	DK-1532-300 321378	DK-1532-300/B	DK-1532-300/BL	DK-1532-300/G	DK-1532-300/R	DK-1532-300/WH	DK-1532-300/Y

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CAT 5e SF/UTP Patch Cable

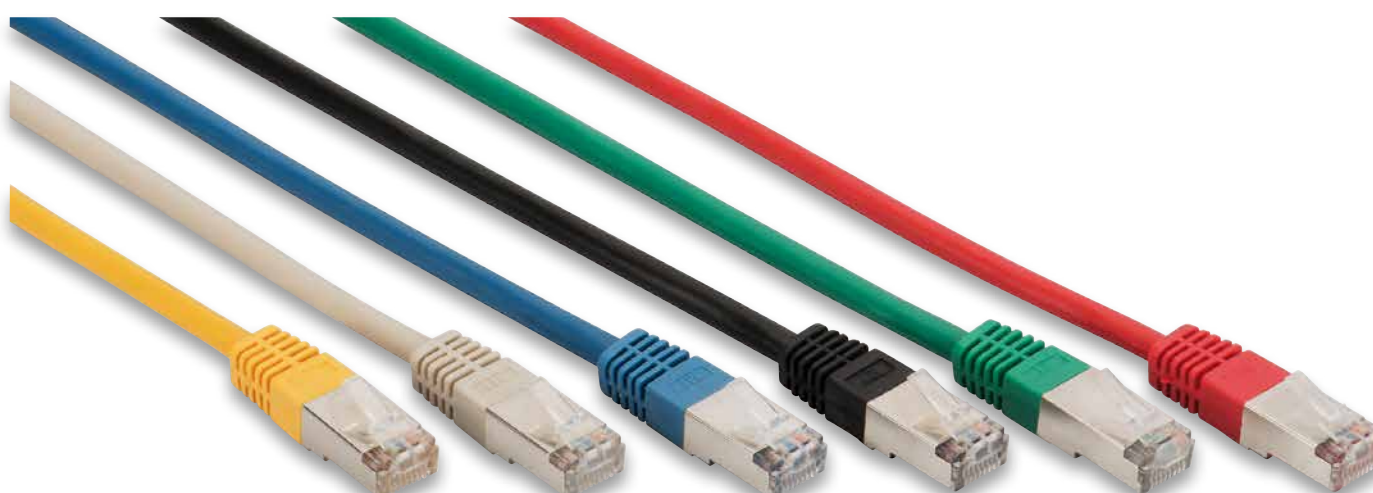
- Sheath: PVC
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: SF/UTP (complete foil- and braid shielding, pairs unshielded)
- Transparent plug with metal shielding
- Boots with kink protection and strain relief
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.145 +/- 0.001 mm
- Diameter cable jacket: 5.2 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Green	Red	White	Yellow
0.25 m	DK-1531-0025 288589	DK-1531-0025/B	DK-1531-0025/BL	DK-1531-0025/G	DK-1531-0025/R	DK-1531-0025/WH	DK-1531-0025/Y
0.30 m	DK-1531-003	DK-1531-003/B	DK-1531-003/BL	DK-1531-003/G	DK-1531-003/R	DK-1531-003/WH	DK-1531-003/Y
0.50 m	DK-1531-005 212249	DK-1531-005/B 213703	DK-1531-005/BL 213710	DK-1531-005/G 213727	DK-1531-005/R 213734	DK-1531-005/WH	DK-1531-005/Y 213741
1.00 m	DK-1531-010 213079	DK-1531-010/B 213758	DK-1531-010/BL 213765	DK-1531-010/G 213772	DK-1531-010/R 213789	DK-1531-010/WH	DK-1531-010/Y 213796
1.50 m	DK-1531-015	DK-1531-015/B	DK-1531-015/BL	DK-1531-015/G	DK-1531-015/R	DK-1531-015/WH	DK-1531-015/Y
2.00 m	DK-1531-020 213086	DK-1531-020/B 213802	DK-1531-020/BL 213826	DK-1531-020/G 213819	DK-1531-020/R 213833	DK-1531-020/WH	DK-1531-020/Y 213840
3.00 m	DK-1531-030 213093	DK-1531-030/B 213857	DK-1531-030/BL 213871	DK-1531-030/G 213864	DK-1531-030/R 213888	DK-1531-030/WH	DK-1531-030/Y 213895
5.00 m	DK-1531-050 213109	DK-1531-050/B 213901	DK-1531-050/BL 213918	DK-1531-050/G 213925	DK-1531-050/R 213932	DK-1531-050/WH	DK-1531-050/Y 213949
7.00 m	DK-1531-070 213116	DK-1531-070/B	DK-1531-070/BL	DK-1531-070/G	DK-1531-070/R	DK-1531-070/WH	DK-1531-070/Y
10.00m	DK-1531-100 213123	DK-1531-100/B 214007	DK-1531-100/BL 214014	DK-1531-100/G 214021	DK-1531-100/R 214038	DK-1531-100/WH	DK-1531-100/Y 214045
15.00 m	DK-1531-150 213130	DK-1531-150/B	DK-1531-150/BL	DK-1531-150/G	DK-1531-150/R	DK-1531-150/WH	DK-1531-150/Y
20.00 m	DK-1531-200 213147	DK-1531-200/B	DK-1531-200/BL	DK-1531-200/G	DK-1531-200/R	DK-1531-200/WH	DK-1531-200/Y
25.00 m	DK-1531-250	DK-1531-250/B	DK-1531-250/BL	DK-1531-250/G	DK-1531-250/R	DK-1531-250/WH	DK-1531-250/Y
30.00 m	DK-1531-300 213154	DK-1531-300/B	DK-1531-300/BL	DK-1531-300/G	DK-1531-300/R	DK-1531-300/WH	DK-1531-300/Y
50.00 m	DK-1531-500	DK-1531-500/B	DK-1531-500/BL	DK-1531-500/G	DK-1531-500/R	DK-1531-500/WH	DK-1531-500/Y

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CAT 5e, F/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Shielding: F/UTP (complete foil shielding, pairs unshielded)
- Transparent blue colored plug with metal shielding
- Boots with kink protection and strain relief
- Latch protection

- Connector: FCC & IEC 60603-7
- Stranded wire: 0.155 +/- 0.001 mm
- Diameter cable jacket: 5.2 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey
0.25 m	DK-1522-0025
0.50 m	DK-1522-005 // 198637
1.00 m	DK-1522-010 // 199175
2.00 m	DK-1522-020 // 199112
3.00 m	DK-1522-030 // 199199
5.00 m	DK-1522-050 // 199205
7.00 m	DK-1522-070 // 199212
10.00 m	DK-1522-100 // 199229
15.00 m	DK-1522-150
20.00 m	DK-1522-200 // 199243
25.00 m	DK-1522-250
30.00 m	DK-1522-300 // 321224

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CAT 5e, F/UTP Patch Cable

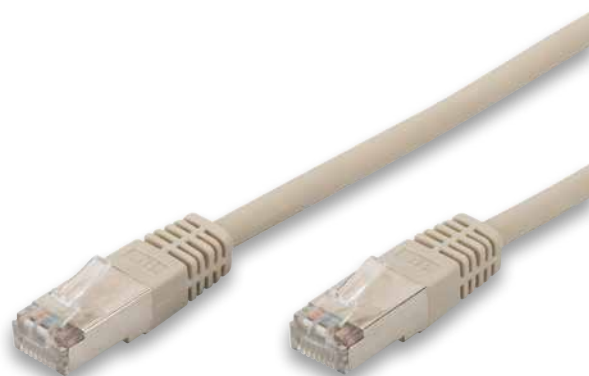
- Sheath: PVC
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: F/UTP (complete foil shielding, pairs unshielded)
- Transparent plug with metal shielding
- Boots with kink protection and strain relief

- Connector: FCC & IEC 60603-7
- Stranded wire: 0.145 +/- 0.001 mm
- Diameter cable jacket: 5.2 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C up to +60 °C



Length/Color	Grey
0.25 m	DK-1521-0025 // 288510
0.50 m	DK-1521-005 // 212232
1.00 m	DK-1521-010 // 212366
2.00 m	DK-1521-020 // 212973
3.00 m	DK-1521-030 // 212980
5.00 m	DK-1521-050 // 212997
7.00 m	DK-1521-070 // 213000
10.00 m	DK-1521-100 // 213017
15.00 m	DK-1521-150 // 213034
20.00 m	DK-1521-200 // 213031
30.00 m	DK-1521-300 // 213048
50.00 m	DK-1521-500 // 213055

Yellow highlighted = Available from stock



CAT 5e, U/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Shielding: U/UTP (unshielded)
- Transparent blue colored plug
- Boots with kink protection and strain relief
- Latch protection

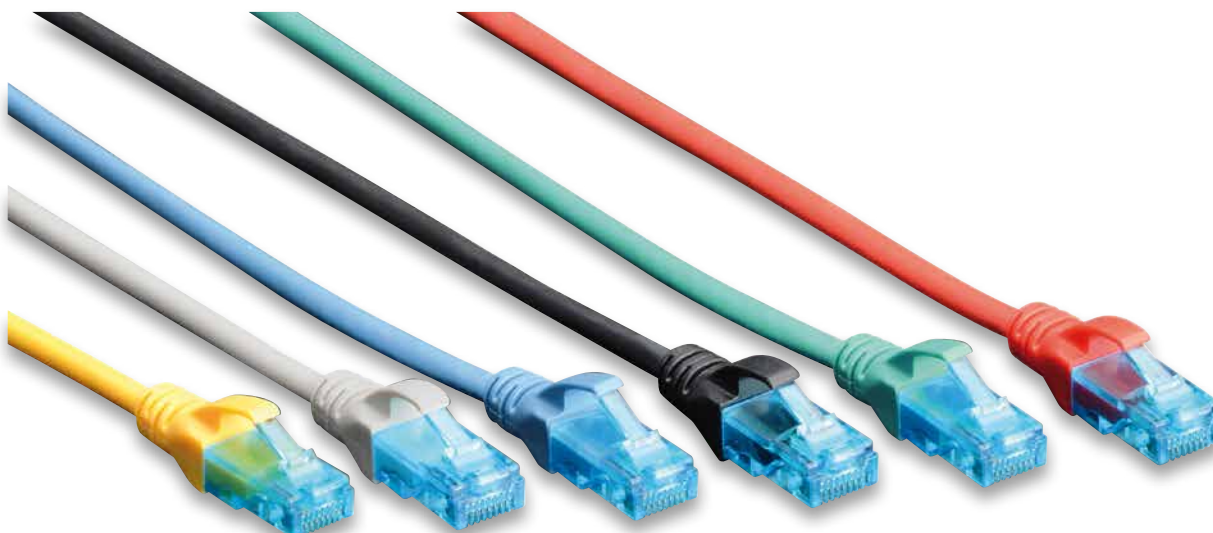
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.155 +/- 0.001 mm
- Diameter cable jacket: 4.8 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Green	Red	White	Yellow
0.25 m	DK-1512-0025 317340	DK-1512-0025/B	DK-1512-0025/BL	DK-1512-0025/G	DK-1512-0025/R	DK-1512-0025/WH	DK-1512-0025/Y
0.50 m	DK-1512-005 198673	DK-1512-005/B 198680	DK-1512-005/BL 320722	DK-1512-005/G 198925	DK-1512-005/R 198901	DK-1512-005/WH 317562	DK-1512-005/Y 198918
1.00 m	DK-1512-010 198710	DK-1512-010/B 198819	DK-1512-010/BL 317838	DK-1512-010/G 199090	DK-1512-010/R 198932	DK-1512-010/WH 317852	DK-1512-010/Y 199014
1.50 m	DK-1512-015	DK-1512-015/B	DK-1512-015/BL	DK-1512-015/G	DK-1512-015/R	DK-1512-015/WH	DK-1512-015/Y
2.00 m	DK-1512-020 198734	DK-1512-020/B 198826	DK-1512-020/BL 318026	DK-1512-020/G 199106	DK-1512-020/R 198949	DK-1512-020/WH 318033	DK-1512-020/Y 199021
2.50 m	DK-1512-025	DK-1512-025/B	DK-1512-025/BL	DK-1512-025/G	DK-1512-025/R	DK-1512-025/WH	DK-1512-025/Y
3.00 m	DK-1512-030 198741	DK-1512-030/B 198833	DK-1512-030/BL 318125	DK-1512-030/G 199113	DK-1512-030/R 198956	DK-1512-030/WH 318132	DK-1512-030/Y 199038
5.00 m	DK-1512-050 198758	DK-1512-050/B 198840	DK-1512-050/BL 320730	DK-1512-050/G 199120	DK-1512-050/R 198963	DK-1512-050/WH 318262	DK-1512-050/Y 199045
7.00 m	DK-1512-070 198765	DK-1512-070/B	DK-1512-070/BL	DK-1512-070/G	DK-1512-070/R	DK-1512-070/WH	DK-1512-070/Y
10.00 m	DK-1512-100 198772	DK-1512-100/B 198864	DK-1512-100/BL 318477	DK-1512-100/G 199144	DK-1512-100/R 198987	DK-1512-100/WH 318491	DK-1512-100/Y 199069
15.00 m	DK-1512-150 198789	DK-1512-150/B	DK-1512-150/BL	DK-1512-150/G	DK-1512-150/R	DK-1512-150/WH	DK-1512-150/Y
20.00 m	DK-1512-200 198796	DK-1512-200/B	DK-1512-200/BL	DK-1512-200/G	DK-1512-200/R	DK-1512-200/WH	DK-1512-200/Y
25.00 m	DK-1512-250	DK-1512-250/B	DK-1512-250/BL	DK-1512-250/G	DK-1512-250/R	DK-1512-250/WH	DK-1512-250/Y
30.00 m	DK-1512-300 318651	DK-1512-300/B	DK-1512-300/BL	DK-1512-300/G	DK-1512-300/R	DK-1512-300/WH	DK-1512-300/Y

Yellow highlighted =
Available from stock

not highlighted =
Available on request



CAT 5e, U/UTP Patch Cable

- Sheath: PVC
- Wire cross-section: AWG 26/7
- Conductor: Cu
- Shielding: U/UTP (unshielded)
- Transparent plug
- Boots with kink protection and strain relief

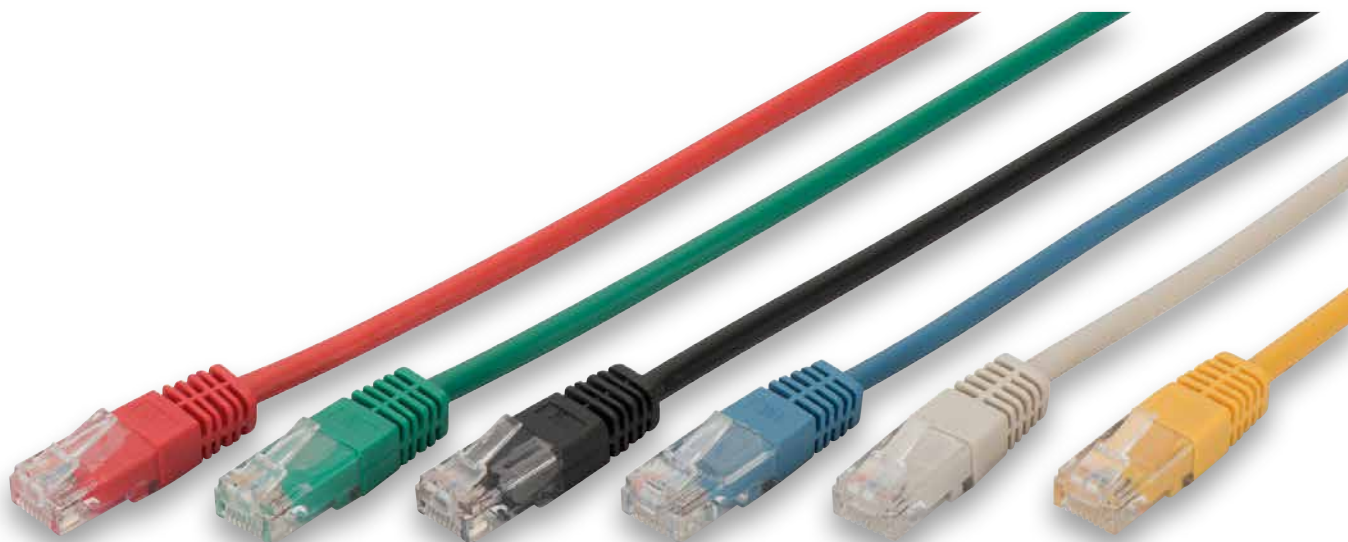
- Connector: FCC & IEC 60603-7
- Stranded wire: 0.145 +/- 0.001 mm
- Diameter cable jacket: 4.8 +/- 0.15 mm
- Isolation stranded wire: HD-PE
- Operating temperature range: -20 °C to +60 °C



Length/Color	Grey	Blue	Black	Green	Red	White	Yellow
0.25 m	DK-1511-0025 288435	DK-1511-0025/B	DK-1511-0025/BL	DK-1511-0025/G	DK-1511-0025/R	DK-1511-0025/WH	DK-1511-0025/Y
0.50 m	DK-1511-005 212119	DK-1511-005/B	DK-1511-005/BLACK	DK-1511-005/G	DK-1511-005/R	DK-1511-005/WH	DK-1511-005/Y
1.00 m	DK-1511-010 212102	DK-1511-010/B	DK-1511-010/BLACK	DK-1511-010/G	DK-1511-010/R	DK-1511-010/WH	DK-1511-010/Y
1.50 m	DK-1511-015 212133	DK-1511-015/B	DK-1511-015/BLACK	DK-1511-015/G	DK-1511-015/R	DK-1511-015/WH	DK-1511-015/Y
2.00 m	DK-1511-020 212140	DK-1511-020/B	DK-1511-020/BLACK	DK-1511-020/G	DK-1511-020/R	DK-1511-020/WH	DK-1511-020/Y
3.00 m	DK-1511-030 212157	DK-1511-030/B	DK-1511-030/BLACK	DK-1511-030/G	DK-1511-030/R	DK-1511-030/WH	DK-1511-030/Y
5.00 m	DK-1511-050 212164	DK-1511-050/B	DK-1511-050/BLACK	DK-1511-050/G	DK-1511-050/R	DK-1511-050/WH	DK-1511-050/Y
7.00 m	DK-1511-070 212171	DK-1511-070/B	DK-1511-070/BLACK	DK-1511-070/G	DK-1511-070/R	DK-1511-070/WH	DK-1511-070/Y
10.00 m	DK-1511-100 212188	DK-1511-100/B	DK-1511-100/BLACK	DK-1511-100/G	DK-1511-100/R	DK-1511-100/WH	DK-1511-100/Y
15.00 m	DK-1511-150 212195	DK-1511-150/B	DK-1511-150/BLACK	DK-1511-150/G	DK-1511-150/R	DK-1511-150/WH	DK-1511-150/Y
20.00 m	DK-1511-200 212201	DK-1511-200/B	DK-1511-200/BLACK	DK-1511-200/G	DK-1511-200/R	DK-1511-200/WH	DK-1511-200/Y
25.00 m	DK-1511-250 212218	DK-1511-250/B	DK-1511-250/BLACK	DK-1511-250/G	DK-1511-250/R	DK-1511-250/WH	DK-1511-250/Y
30.00 m	DK-1511-300 212225	DK-1511-300/B	DK-1511-300/BLACK	DK-1511-300/G	DK-1511-300/R	DK-1511-300/WH	DK-1511-300/Y

Yellow highlighted =
Available from stock

not highlighted =
Available on request



FLUKE DSX-5000 Cable Analyzer, Copper & Fiber Optic



Product Number	EAN	Display	Package Content
ACT-DSX-5000-QI	378877	LCD with Touchscreen	Versiv Main, Remote, DSX Copper Modules, DSX Permanent Link Adapter, CertiFiber Pro Quad OLTS Modules, Charger, Earphones, Fiber Optic Patch Cable, Software CD, Bag

Product Information

Area of Application:	Testing, analyzing, failure detection of shielded and unshielded patch cables, testing of fiber optic cabling
Norms:	IEC WG9 Standard IEC61935-1, 11801-1-4
	IEEE 802.3af, IEEE 802.3at, ANSI/TIA/EIA-568-C.2
	IEEE 802.3, TIA TR42.7, TIA CAT 3, 4, 5, 5e, 6, 6A
	ISO/IEC Class C, D, E, Ea, F, FA certificate according to ISO/IEC 11801:2002 and changes

General Properties

Display:	5.7 in LCD display with a projected capacitance touchscreen
Housing:	Plastic with shock absorbing overmold
Main device dimensions:	6.67x13.33x27.94 cm
Weight:	1.28 kg
Battery:	7.2V lithium ion
Life of battery:	8 hours
Battery charging time:	4 hours
Language supported:	English, French, German, Spanish, Portuguese, Italian, Japanese and simplified Chinese

Technical Properties

Frequency:	1200 MHz
Autotest Category 5e or 6/ Class D or E:	9 seconds
Autotest Category 6A, Class EA:	10 seconds
Autotest LC/LC, SC/LC:	10 seconds
Test Parameter:	Wire map, length, propagation delay, delay skew, DC loop resistance, insertion loss, return loss, NEXT, ACR-N, ACR-F ELFEXT, NEXT, ACR-N, PS ANEXT, PS AACR-F
Calibration:	1 year

Protected against continuous telco voltages and 100 mA over-current

Permanent link adapter - female RJ45 shielded

Channel link adapter - female RJ45 shielded

LC/LC simplex adaptor

SC/LC EF-compliant MM TRC Kit 50 µm

SC/LC SM TRC kit

FLUKE DSX-5000 Cable Analyzer, Copper



Product Number	EAN	Display	Package Content
ACT-DSX-5000	349457	LCD with Touchscreen	Versiv Main, Remote, DSX Copper Modules, DSX Permanent Link Adapter, Charger, Earphones, Software CD, Bag

Product Information	
Area of Application:	Testing, analyzing, failure detection of shielded and unshielded patch cables
Norms:	IEC WG9 Standard IEC61935-1, 11801-1-4
	IEEE 802.3af, IEEE 802.3at, ANSI/TIA/EIA-568-C.2
	IEEE 802.3, TIA TR42.7, TIA CAT 3, 4, 5, 5e, 6, 6A
	ISO/IEC Class C, D, E, Ea, F, FA certificate according to ISO/IEC 11801:2002 and changes

General Properties	
Display:	5.7 in LCD display with a projected capacitance touchscreen
Housing:	Plastic with shock absorbing overmold
Main device dimensions:	6.67x13.33x27.94 cm
Weight:	1.28 kg
Battery:	7.2V lithium ion
Life of battery:	8 Hours
Battery charging time:	4 Hours
Language supported:	English, French, German, Spanish, Portuguese, Italian, Japanese and simplified Chinese

Technical Properties	
Autotest Category 5e or 6 / Class D or E:	9 seconds
Autotest Category 6 _A Class E _A :	10 seconds
Test Parameter:	Wire map, length, propagation delay, delay skew, DC loop resistance, insertion loss, return loss, NEXT, ACR-N, ACR-F, ELFEXT, NEXT, ACR-N, PS ANEXT, PS AACR-F
Calibration:	1 year

Permanent Link Adapter - female RJ45 shielded
Channel Link Adapter - female RJ45 shielded
Protected against continuous telco voltages and 100 mA over-current

Fluke MicroScanner² Cable Tester Professional Kit



Product Number	EAN	Display	Package Content
ACT-MS2-KIT	358893	LC Display	IntelliTone Pro 200 Probe, MicroScanner2 Cable Verifier, Patch Cable, F Coax Patch Cable, Software CD, Bag
ACT-MS2-100	290827	LC Display	MicroScanner ² Cable Verifier with Wiremap-Adapter, Software CD, Bag

Product Information	
Area of Application:	Verifies voice/data/video cable

General Properties	
Display:	Monochrome liquid crystal display
Housing:	Plastic with show absorbing overmold
Dimensions:	7.6x16.3x3.6 cm
Weight:	363 g
Battery:	2x AA-Alkaline
Battery life:	Up to 20 hours of typical use
Package Content:	MicroScanner ² Cable Verifier with main wiremap adapter

IntelliTone Pro 200 probe	Shielded twisted pair RJ45 patch cord
Accessory soft pouch	RJ11 patch cord
Fluke Networks carry case	Clip-set RJ45 to 8 alligator clip bare wire adapter
Remote identifiers #2-7	F Coax push on patch cord

Technical Properties	
Test Connectors:	Twisted Pair (UTP, FTP, SSTP)
	RJ45 and RJ11 Coaxial (F-plug; 75 Ω, 50 Ω, 93 Ω)
IntelliTone toning:	Locates virtually any cable or wire pair with IntelliTone digital and analog toning
VDV service detection:	User-configurable NVP for twisted pair and coax
Calibration:	Determines actual NVP with known length of cable
Operation temperature:	0 °C to 45 °C

Fluke Cable IQ Tester



Product Number	EAN	Package Content
ACT-CIQ-100	290810	Cable IQ Tester, Remote Adapter, Bag

Product Information

Area of Application:

Wiremap, length, cable signal performance, digital toner, analog toner, Ethernet port detection and identification, analog telephone detection, blink port light, continuity, speaker test, cable fault finding, video signal detection

General Properties

Display:	Monochrome liquid crystal display (LCD) with backlight
Housing:	Plastic with shock absorbing overmold
Dimensions:	17.8x8.9x4.5 cm
Weight:	0.55 kg
Battery:	4x AA alkaline
Battery life:	Up to 20 hours of typical use

Technical Properties

Cable types supported:	UTP, STP, FTP, SSTP, RG6, RG59, audio
Qualification autotests:	1000BASE-T, 100BASE-TX, 10BASE-T, VoIP, 1394b S100, TELCO, Wiremap only, Coax
Result storage:	Up to 250 qualification test results

Fluke IntelliTone Pro 200 Kit



Product Number	EAN	Package Content
ACT-MT-8200-60A	290803	IntelliTone 200 Toner and 200 Probe Coax-F-Adapter, Software CD
Product Information		
Area of Application:	Confirms cable location, locates cables on active network	
General Properties		
Dimensions:	Toner: 14.1x7.5x3.2 cm	
	Probe: 22.2x4.8x3.2 cm	
Battery:	Alkaline, 9V	
Battery life:	Up to 20 hours of typical use	
Technical Properties		
Toner		
Interface:	Main Mod8 port for tone generation on all 4 pairs	
	UTP / STP cabling, F connector for coaxial cabling, banana jack plugs, two conductor wiring	
Frequency:	500-1200 Hz, 4 songs	
Talk battery voltage:	6V into 600 W	
Output power:	5V p-p	
Voltage protection:	100V	
Auto power down:	After 2.5 hours of inactivity	
Probe		
Microprocessor controlled audio files		
Analog:	Detected toner signal	
Tone detection:	Detects IntelliTone™ digital signal	
Auto power down:	After one hour of inactivity	

Fluke Analog Tone Kit



Product Number	EAN	Package Content
ACT-PRO 3000	291275	Pro3000 Analog-Toner

Product Information	
Area of Application:	Toning and tracing wire on non-active networks

General Properties	
Dimensions:	Tone: 6.9x6.1x3.6 cm
	Probe: 24.9x4.1x3.3 cm
Battery:	9V alkaline
Battery life:	Up to 20 hours of typical use

Technical Properties	
Frequency:	1000 Hz nominal
Alternating frequency:	1000/1500 Hz nominal
Over voltage protection:	60V DC in Toner/Polarity Mode
Output power in tone mode:	8 dBm into 600 ohms
Output voltage level in continuity mode:	8V DC
Temperature operating:	-20 °C to 60 °C

Network Cable Tester



Product Number	EAN	Display	Package Content
DN-14001	126454	LED display	Main and Remote Unit

Product Information	
Area of Application:	Testing of network cables

Technical Properties	
Main device connector:	2x RJ45 female
Remote-device connector:	1x RJ45 female
Test function for cables with RJ45, RJ12, RJ11 and BNC plugs	
Auto-scan and step by step testing	
Testing and localising of already laid network or communication cables	
Continuity testing of network or communication cables	
Localising of disconnected single wires	
Identification of non-conform wire assignment	
Pin to pin configuration	

Premium Network Cable Tester



Product Number	EAN	Display	Package Content
ACT-LCS-400	079248	LED display	Main and Remote Unit

Product Information	
Area of Application:	Inspection of network cabling

Technical Properties	
Main device connector:	2x RJ45
Remote unit:	1x RJ45
Test connectors:	10(100)Base-T, Token Ring, TP-PMD, AT&T 258A, EIA/TIA-568A/B USOC, 10Base-2 (BNC)
Four additional user test modes can be configured	
Tests assignment, pairs, connection and shielding	
Terminator loopback test, cable testing with up to 16 remote units	
Automatic cable identification	

Modular Cable Tester



Product Number	EAN	Display	Delivery Content
ACT-LAN-CT	126096	LED display	Main and Remote Unit

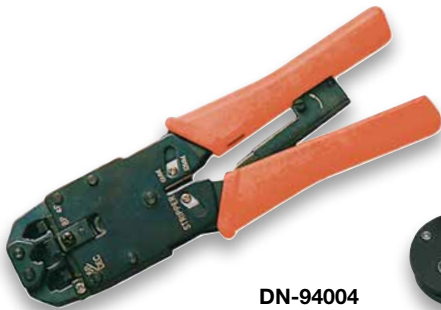
Product Information	
Area of Application:	Testing network cabling

Technical Properties	
Main device connector:	2x RJ45 female
Remote-device connector:	1x RJ45 female
Test function for cables with RJ45, RJ12, RJ11 plugs	
Testing and localising of already laid network or communication cables	
Continuity testing of network or communication cables	
Localising of disconnected single wires	
Identification of non-conform wire assignment	
Incl. BNC Adapter	



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Modular/Coaxial Crimping Tools



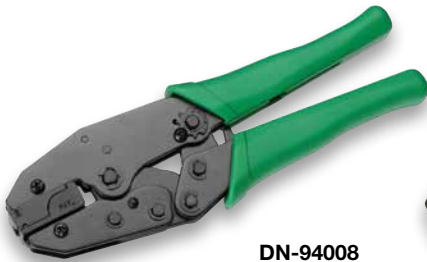
DN-94004



DN-94005



DN-94007



DN-94008



DN-94009



A-975110

Product Number	EAN	Plug Type
DN-94004	261681	8P8C, 6P6C, 6P4C, 4P4C, 4P2C, 6P6C
DN-94005	261698	8P8C
DN-94007	261711	6P4C, 8P8C
DN-94008	261728	TM11, TM21, TM31
DN-94009	261742	RG58, RG59, RG62
A-975110	158851	6P4C, 8P8C

Product Information

Area of Application: For crimping modular and coaxial plugs as well as stripping insulation and cable cutting

General Properties

Inner/outer diameter: 0.3-0.7 mm/5-15 mm

Quick and easy installation

Ergonomic handle

Robust metal design

Incl. stripper and cutter

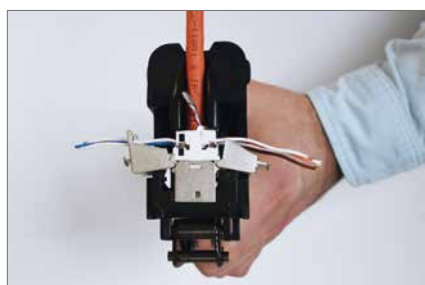
Crimping Tool for DIGITUS® Keystone Modules



DN-94021



DN-94020



Product Number	EAN	Set	Package Content
DN-94020	343240	Adapter for DN-93615	1x Pliers DN-94016, 2x Tool Heads
DN-94021	343479	Adapter for DN-93615, DN-93616	1x Pliers DN-94016, 2x Tool Heads
DN-94017	343165	Adapter for DN-93617	1x Tool Head

Product Information

Area of Application: Easy crimping for pre-assembled Keystone Modules

General Properties

Cuts protruding wire ends and presses the wire manager onto the termination clamp

Changeable Tool Heads are easy to equip on the Crimping Tool

Ergonomic and handy design

Included Tool Heads are suitable for Keystone Modules **DN-93604** & **DN-93615**

Network Tool Set



Product Number	EAN	Package Content
DN-94022	348849	LAN-Tester RJ11, 12 and 45, LSA Punch Down Tool with Cable Cutter, Crimping Tool RJ11, 12 and 45, Cut and Stripping Tool, Textile Bag

Product Information

Area of Application:	For fault diagnostics, tests and new installations in networks
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General Properties

Crimping Tool

Suitable for 6P4C- and 8P8C plugs

Quick and easy installation

Ergonomic handle

Robust metal design

Network & Tester

Battery: 9V pack

Connection main device: 2x RJ45

Connection remote device: 1x RJ45

Ideal for testing RJ11, RJ12 and RJ45 plugs

Separate display for PIN 1-8 and ground

For continuity testing of network- or communication cables

Automatic test run

Punch Tool

Suitable for LSA-strips

Cable insulation and cutting off extending cable ends

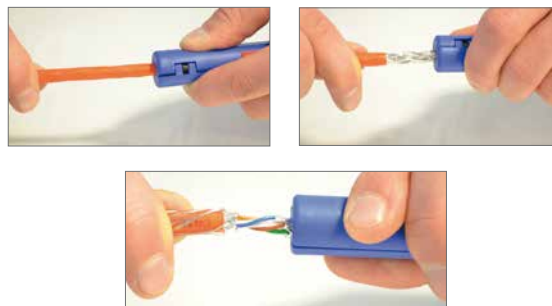
Includes extraction- and unlocking device

Cut and Stripping Tool

Suitable for CAT 5e, CAT 6, CAT 7 (Ø > 2-10 mm)

Adjustable cutting depth

Universal stripping tool



Product Number	EAN	Cable Types
DN-94002	380108	Solid and stranded wires AWG 22-23

Product Information

Area of Application: Removing sheaths of solid and stranded conductors AWG 22-23

General Properties

Housing material:	Plastic
Stripping tool:	Suitable for multiconductors AWG 22-23
Stripping Tool length:	11.0 cm
Stripping Tool width:	2.0 cm when closed
Side A:	Stripping cable shielding

Distance guts A:	4.23 cm
Side B:	Stripping foil shielding
Distance guts B:	4.43 cm
With opening spring and locking slider	
Incl. length scale from 5.0 to 20.0 mm	
Made in Germany	

Stripping Tool for Data Cable



Product Number	EAN	Cable types
DN-94001	261667	UTP/STP

Product Information

Area of Application: Stripping off UTP and STP data cables

General Properties

AWG:	Up to 24
Cable diameter:	5-15 mm
Quick and easy usage	
With opening spring and locking slider	
Adjustable opening size	

LSA Punch Tool



DN-LSA-PT



A-LSA-K



DN-94003

Product Number	EAN	Typ	Sensor	Package Content
DN-LSA-PT	206569	LSA+	no	Punch Tool, Leather Carry Case
A-LSA-K	261674	LSA+	yes	Punch Tool
DN-94003	261674	110	no	Punch Tool

Product Information

Area of Application: For cutting off protruding wire ends in LSA strips

General Properties

Cable insulation and cutting off the protruding wire ends

Includes synthetic leather carry case

Includes extraction- and unlocking device

Pliers



DN-94014



A-7861125

Product Number	EAN	Opening Spring	Isolated	Color	Length	Weight
DN-94014	342328	yes	no	yellow	13.0 cm	72 g
A-7861125	159025	yes	yes	red/blue	12.5 cm	56 g

Product Information

Area of Application: Flushed cutting of protruding wire ends

General Properties

Cutting area: 9.45 mm hole; AWG 22-26 (suitable for 0.65-0.40 mm)

Sharp pliers (64 HRC)

Precision cutting for soft wire and hard wire

Compact design

Slim head form for working areas that are difficult to reach

Velcro Tape for structured cabling



Product Number	EAN	Length	Width	Color
DN-CT-10M-20	338260	10 m	20 mm	Black

Product Information	
Area of Application:	Structuring of cabling, bundling in distribution cabinets, fixing in cable canals



Individual. Dynamic. Adaptive.

Solutions for Industry 4.0 – the Internet of Things

What once seemed a distant and unrealistic goal has now become business as usual for many manufacturers – Industry 4.0.

Industry 4.0 means that companies are now able to network all of their industrial equipment by connecting these systems to their IT infrastructure. Communication with and between different production systems now takes place via LAN and Wireless LAN, and companies can access these systems remotely. Failures, faults, and maintenance tasks no longer necessarily need to be checked or handled on-site.

This trend toward networking industrial systems using Ethernet protocols can be seen in all areas of the market, from the automotive industry and engineering all the way to traffic systems. Your business requirements, just like these market areas, are extremely diverse, whether it comes to logs, certifications, or standardizations.

Industrial Ethernet must also be equipped to handle formidable environmental conditions by featuring

- Extreme temperature ranges
- Protection from dust, spraying water, UV light, oils, and solvents
- Immunity to electromagnetic radiation
- Robust network components
(high bending strength, notch-resistant, high impact resistance, abrasion-resistant)

As the leading brand for active and passive network technology, DIGITUS® Professional is equipped to meet all of these requirements with solutions from its portfolio of superior-quality industrial components for the industrial applications of today and the future.

RJ45 Connector IP65/IP67



DN-IND-RJ45-1-M



DN-IND-RJ45-2-M



DN-IND-RJ45-1-F



DN-IND-RJ45-2-F

Product Number	EAN	Product Description	Housing Material
DN-IND-RJ45-1-M	380672	RJ45 male plug	Metal
DN-IND-RJ45-1-F	380689	RJ45 female socket	Metal
DN-IND-RJ45-2-M	380696	RJ45 male plug	Plastic
DN-IND-RJ45-2-F	380702	RJ 45 female socket	Plastic

Product Information

Norms: ISO/IEC 11801 & TIA568B

Transmission Properties: 1GBase-T

General Properties

Shielding system with high frequency noise immunity and electromagnetic interference protection

Crystal head and cable are not included

Technical Properties

Protection class:	IP65 plug, IP67 socket, IP67 plugged
Cable specifications:	AWG 26-24
Contact diameter x number:	8 PIN
Rated current:	1.5A
Contact resistance:	30 MilliOhm
Insulation resistance:	500 MegaOhm
Operating voltage:	1000V
Working temperature:	-40 °C to +80 °C
Copper needles:	Copper alloy, gold-plated 6U
Flammability rating:	UL94-V0

RJ45 Connector IP65/IP67


DN-IND-RJ45-3-M

DN-IND-RJ45-3-F1

DN-IND-RJ45-4-M

DN-IND-RJ45-4-F

Product Number	EAN	Product Description	Housing Material
DN-IND-RJ45-3-M	380719	RJ45 male plug	Metal
DN-IND-RJ45-3-F1	380726	RJ45 female socket	Metal
DN-IND-RJ45-3-F2	380795	RJ45 female socket	Metal
DN-IND-RJ45-4-M	380764	RJ45 plug	Plastic
DN-IND-RJ45-4-F	380757	RJ45 socket	Metal

Product Information

Norms:	ISO/IEC 11801 & TIA568B
Transmission Properties:	1GBase-T

General Properties

Shielding system with high frequency noise immunity and electromagnetic interference protection
Crystal head and cable are not included

Technical Properties

Protection class:	IP65 plug, IP67 socket, IP67 plugged
Cable specifications:	AWG 26-23
Contact diameter x number:	8 PIN
Rated current:	1.5A
Contact:	30 MilliOhm
Insulation resistance:	500 MegaOhm
Operating voltage:	1000V
Working temperature:	-40 °C to +80 °C
Copper needles:	Copper alloy, gold-plated 6U
Flammability rating:	UL94-V0

Fiber Optic Connector IP65/IP67



DN-IND-FO-1-M



DN-IND-FO-1-F

Product Number	EAN	Product Description	Housing Material
DN-IND-FO-1-M	380740	LC male plug	Plastic
DN-IND-FO-1-F	380733	LC female socket	Metal

Product Information	
Norms:	ISO/IEC 11801

General Properties	
Cables not included in delivery	

Technical Properties	
Insertion loss:	< 0.3 dB
Protection class:	IP65 plug, IP67 socket, IP67 plugged
Working temperature:	-40 °C to +80 °C
Flammability rating:	UL94-V0

USB Connector IP65/IP67


DN-IND-USB-1-M

DN-IND-USB-1-F

Product Number	EAN	Product Description	Housing Material
DN-IND-USB-1-M	380788	USB plug	Plastic
DN-IND-USB-1-F	380771	USB socket	Metal

Product Information	
Norms:	USB 3.0 Standard

General Properties	
USB 3.0, data transfer up to 5.000 MB/s	
0.5 m standard cable	

Technical Properties	
Protection class:	IP65 plug, IP67 socket, IP67 plugged
Working temperature:	-40 °C to +80 °C
Shell:	Zinc alloy
Clamp material:	Silicia gel
Flammability rating:	UL94-V0

CAT 6, S/FTP Twisted Pair Patch Cable, PUR



Product Number	EAN	Length
DK-16PUR-010	380252	1.00 m
DK-16PUR-020	380269	2.00 m
DK-16PUR-030	380276	3.00 m
DK-16PUR-050	380283	5.00 m
DK-16PUR-075	380290	7.50 m
DK-16PUR-100	380306	10.00 m

Performance- and Specification Overview

Conductor:	Cu, AWG 27/7
Insulation:	Foam-Skin Polypropylen, 0.98 mm nom.
Structure:	4x 2 AWG 27/7, twisted pair
Pair shielding:	Aluminum covered plastic bond foil
Overall shielding:	Copper braid, tinned
Sheath:	PUR, red
Bending radius:	Without tensile loading: ≥ 25 mm; with tensile loading: ≥ 50 mm
Installation temperature:	-5 °C to +50 °C
Operating temperature:	-35 °C to +75 °C
UV resistance of outer sheath:	Acc. IEC 60068-2-5
Ozone resistance:	Acc. EN 60811-2-1, clause 8
Smoke density:	Acc. EN 50268-2, IEC 61034-1 and 2
Corrosivity:	Acc. EN 50267-1 and 2, IEC 60754-1 and 2

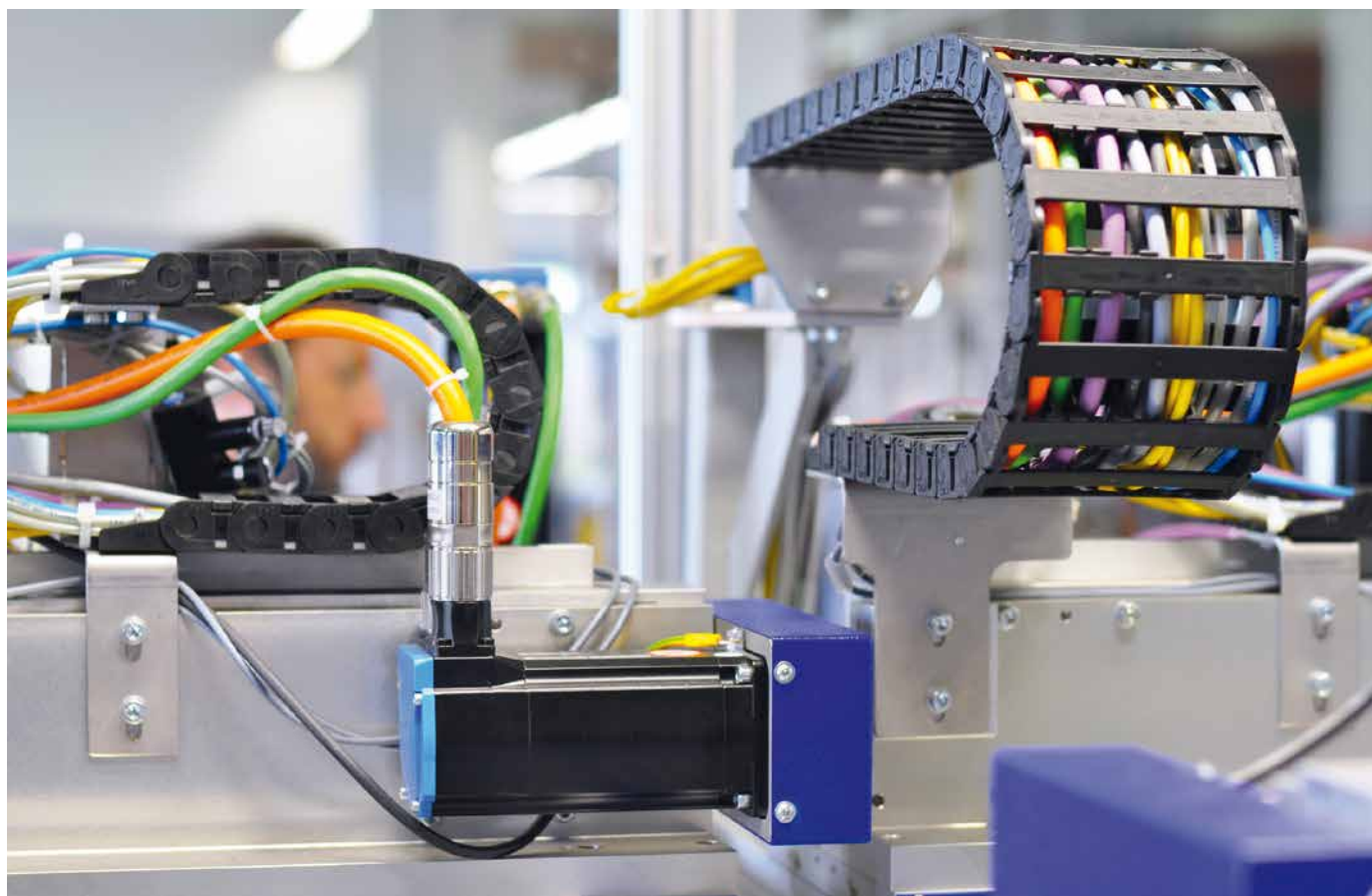
Electrical Properties

Loop resistance:	≤ 340 Ohm /km
Resistance unbalance:	$\leq 3\%$
Insulation resistance (500 V):	≥ 2000 MOhm *km
Capacity at 800 Hz:	Nom. 43 nF/km
Capacity unbalance (Pair/Earth):	≤ 1500 pF/km
Characteristic impedance (100 MHz):	100 $\pm$ 5 Ohm
Propagation velocity:	Ca. 79 %

Signal transit time:	≤ 427 ns/100m
Duration difference:	≤ 12 ns/100m
Cond./Cond. and Cond./Shielding:	1000 V
Coupling resistance:	At 1 MHz: 10mOhm /m; at 10 MHz: 10mOhm /m; at 30 MHz: 30mOhm /m
Coupling attenuation:	75 dB

Transmission Properties

FREQ.	ATT	NEXT	PS-NEXT	RL	ACR	ACRF	PS-ACRF
MHz	dB	dB	dB	dB	dB	dB	dB
1	0.3	90	87	23	87	80	77
4	0.6	90	87	24	84	80	77
10	1	90	87	25	80	80	77
16	1.3	90	87	25	77	76	73
20	1.4	90	87	25	76	74	71
31.2	1.8	90	87	25	72	70	67
62.5	2.6	90	87	23	64	64	61
100	3.2	87	84	21	55	60	57
125	3.6	85	82	20	49	58	55
200	4.6	82	79	18	36	54	51
300	5.6	80	77	17	24	50	47
450	6.9	77	74	17	8	47	44
600	7.9	75	72	17	-4	44	41



CAT 6, SF/UTP Twisted Pair Patch Cable, PUR, drag chain suitable



Product Number	EAN	Length
DK-16PUR-010-SK	380313	1.00 m
DK-16PUR-020-SK	380320	2.00 m
DK-16PUR-030-SK	380337	3.00 m
DK-16PUR-050-SK	380344	5.00 m
DK-16PUR-075-SK	380351	7.50 m
DK-16PUR-100-SK	380368	10.00 m
DK-16PUR-150-SK	380375	15.00 m
DK-16PUR-250-SK	380382	25.00 m

Performance- and Specification Overview

Conductor:	Cu, flexible, AWG 26/19; 0.63 mm
Insulation:	PP (Polypropylen)
Conductor insulation diameter:	0.98 mm
Material outer sheath:	PUR.F45052-F5100 (referring to DIN VDE 0282)
Diameter outer sheath:	0.75 mm
Color:	Yellow green, similar RAL 6018
Outer diameter:	7.8 ± 0.3 mm
Pair shielding:	Unshielded
Overall shielding:	Aluminum foil and copper braid (0.1 mm diameter), tinned
Coverage:	85% nom.
Fire load:	Ca. 1.35 MJ/m
Flame test:	IEC 60332-1-2
Operating temperature range:	-30 °C to + 70 °C

Drag Chain Properties

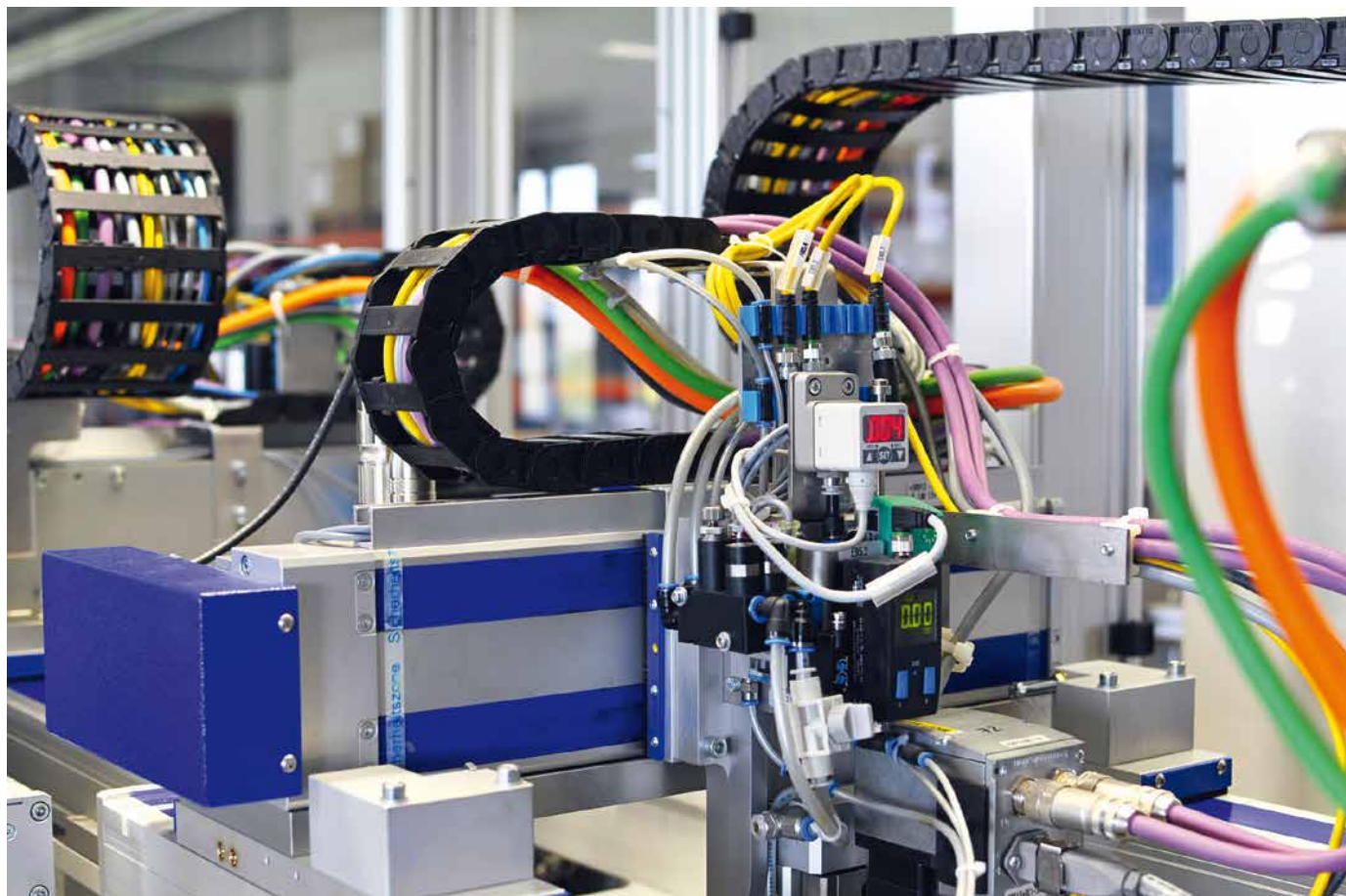
Bending cycles:	1 Mio. at 7.5x diameter
Operating velocity:	Max. 240 m/min @ 4.5 m
Acceleration:	Max. 4 m/s²

Electrical Properties (at 20 °C)

DC resistance:	140 Ohm/km max. ± 3%
Capacity (pair):	52 pF/m nom.
Tolerance:	2 pF/m max.
Dielectric:	Core/Core: 700 Vac/min.; Core/Shielding: 700 Vac/min.
Norm frequency:	1-250 MHz
Wave impedance:	100 ± 10 Ohm
NVP (Nominal Velocity of Propagation):	63%
Operating voltage max.:	100V short period, 30V permanent

Transmission Properties

FREQ.	ATT	NEXT	ACR
MHz	dB	dB	dB
1	3.1	66	64
4	5.8	65.3	63.3
16	11.4	56.2	54.2
31.25	16.1	51.9	49.9
62.5	23.2	47.4	45.4
100	29.9	44.3	42.3
200	43.7	39.8	37.8
250	49.5	38.3	36.3



CAT 6, S/FTP, Twisted Pair Patch Cable, PUR



Product Number	EAN	Length
DK-16PUR-010-IP67	382232	1.00 m
DK-16PUR-020-IP67	382249	2.00 m
DK-16PUR-030-IP67	382256	3.00 m
DK-16PUR-050-IP67	382263	5.00 m
DK-16PUR-070-IP67	382270	7.00 m
DK-16PUR-100-IP67	382287	10.00 m

General Properties

Conductor:	Bare copper wire, stranded, AWG 26/7
Insulation:	PP (Polypropylen)
Conductor insulation diameter:	0.99 mm
Material outer sheath:	PUR.F45052-F5100 (referring to DIN VDE 0282)
Diameter outer sheath:	0.75 mm
Color:	Grey (RAL 7035)
Outer diameter:	6.4 mm
Pair shielding:	Foil
Overall shielding:	Aluminum foil and copper braid (0.1 mm diameter), tinned
Coverage:	85% nom.
Fire load:	Ca. 1.50 MJ/m
Flame test:	IEC 60332-1-2
Operating temperature range:	-30 °C to + 70 °C
Protection class:	IP67 one sided, V6 housing connector

Mechanical Properties

Bending radius:	≥ 34 mm
Tensile strength:	≥ 1000 Zyklen

Electrical Properties (at 20 °C)

DC resistance:	140 Ohm/km max. ± 3%
Capacity (pair):	43 pF/m nom.
Tolerance:	2 pF/m max.
Dielectric:	Core/Core: 700 Vac/min.; Core/Shielding: 700 Vac/min.
Norm frequency:	1-600 MHz
Wave impedance:	100±10 Ohm
NVP (Nominal Velocity of Propagation):	78%
Operating voltage max.:	100V short period, 30V permanent

Transmission Properties

FREQ.	ATT	NEXT	PS NEXT	RL	ACR-N	PS-ACR-N	ACR-F	PS-ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB	dB
100	2,67	100	97	30	97	94	97	94
250	4,3	95	92	27	91	88	95	92
500	6,2	92	89	24	86	83	91	88
600	6,71	90	87	23	83	80	88	85

Cross Reference

Aluminium Housing	DN-93846-OD
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Aluminum Housing for Network Sub-Distribution, IP67



Product Number	EAN	Description	Protection Class	Measurements	Absorption	Delivery Content
DN-93846-OD	382331	Aluminium Housing	IP20, IP67	125x80x58 mm	2x Keystone Module	Aluminium Housing

Product Information

Implementation Keystone Admission:	For 2x RJ45 Keystone Modules
Area of Application:	Industry area
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

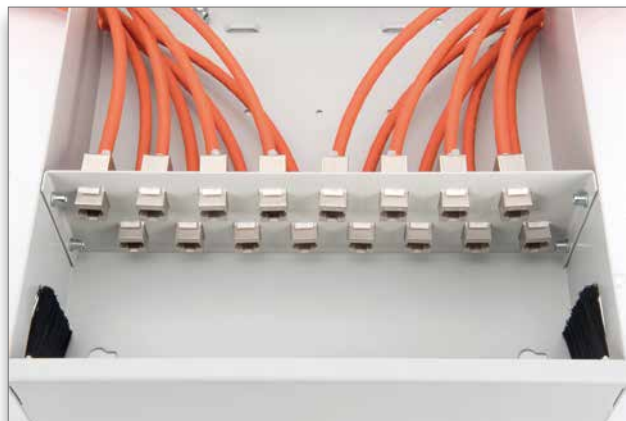
General Properties

Suitable for surface installation	
Protection class:	IP67 (by using RJ45 patch cords with V6 IP67 housing connector)
	IP20 (by using RJ45 patch cords)
Stable aluminium housing	
Internal screw openings enable wall and floor mounting	
RJ45 Keystone Modules are not included in delivery	

Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93611 // DN-93512
UTP Keystone Module	DN-93906 // DN-93603 // DN-93601 // DN-93502 // DN-93501
Data Cable	DK-1741-VH-10-OD
Patch Cable IP67	DK-16PUR-XXX-IP67

Housing for Network Sub-Distribution



Product Number	EAN	Description	Measurements	Package Content
DN-96800M	368144	Housing for Network Sub-Distribution	290x320x88 mm	Housing, Keys, PG fitting
DN-96809	378761	16x Keystone Module Adapter Plate for DN-96800M	290x88 mm	Adapter Plate

Product Information

Implementation Keystone Admission:	16x Keystone RJ45
Area of Application:	Sub-distribution in buildings, distribution in floors
Norms:	ISO/IEC 11801 2nd Ed., EN 50173-1, EIA/TIA 568-C

General Properties

IP20, shielded
Lockable lid
Suitable for surface installation
Including brush strips on both sides for the insert of patch cables
Adapter Plate is not included in delivery

Technical Properties

Housing material:	1,5 mm SPCC cold rolled steel; durable, textured powder coat finish
Standard material:	EN 10 130(1991), BS 1449, NFA 36/401, DIN 1623, UNI 5866, UNE 36-086, SIS, JIS G 3141, ASTM, SAE
Empty housing weight:	2.8 kg
High density DN-96809:	Up to 16 conductors (4 conductors per cable outlet)

Physical Properties

Operating temperature:	-20 °C to +70 °C (ISO/IEC 11801, EN 50173-1, ANSI/TIA/EIA 568 C)
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Cross Reference

STP Keystone Module	DN-93617 // DN-93615 // DN-93612-1 // DN-93611 // DN-93512
UTP Keystone Module	DN-93906 // DN-93603 // DN-93601 // DN-93502 // DN-93501

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: BERKER

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
Arsys	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1108 01 69
	Central piece without label field	brown, shining	1407 00 01	1108 01 69	1409 00 01	1108 01 69
	Central piece without label field	stainless steel	1408 00 04	1108 01 69	1410 00 04	1108 01 69
	Central piece without label field	gold, metal	1408 00 02	1108 01 69	1410 00 02	1108 01 69
	Central piece without label field	light bronze, metal	1408 00 01	1108 01 69	1410 00 01	1108 01 69
	Central piece without label field	polar white, shining	1407 00 69	1108 01 69	1409 00 69	1108 01 69
	Central piece without label field	white, shining	1407 00 02	1108 01 69	1409 00 02	1108 01 69
	Central plate without label field	brown, shining	1468 01	1108 00 01	1469 01	1108 00 01
	Central plate without label field	polar white, shining	1468 09	1108 00 69	1469 09	1108 00 69
	Central plate without label field	white, shining	1468 02	1108 00 02	1469 02	1108 00 02
K.1	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1108 71 09
	Central piece without label field	alu, dull	1407 70 24	1108 71 09	1409 70 24	1108 71 09
	Central piece without label field	anthracite, dull	1407 70 06	1108 71 09	1409 70 06	1108 71 09
	Central piece without label field	polar white, shining	1407 70 09	1108 71 09	1409 70 09	1108 71 09
	Central piece without label field	white, shining	1407 70 02	1108 71 09	1409 70 02	1108 71 09
	Central piece without label field	stainless steel	1407 70 04	1108 71 09	1409 70 04	1108 71 09
	Central plate without label field	polar white, shining	1468 09	1108 70 09	1469 09	1108 70 09
	Central plate without label field	white, shining	1468 02	1108 70 02	1469 02	1108 70 02
Q.1	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1109 60 79
	Central piece without label field	polarweiß	1407 60 89	1109 60 79	1409 60 89	1109 60 79
series 1930, glass series, Palazzo	Central piece without label field	polar white, shining	1407	1109 60 79	1409	1109 60 79
		black, shining	1407 01	1109 60 79	1409 01	1109 60 79
Modul 2	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1109 09
	Central plate without label field	polar white, shining	1468 09	1109 09	1469 09	1109 09
		white, shining	1468 02	1109 02	1469 02	1109 02
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1109 90 89
B.1., B.7 glass	Central piece without label field	alu, dull	1407 14 04	1109 90 89	1409 14 04	1109 90 89
B.1, B.3, B.7 glass	Central piece without label field	anthracite, dull	1407 16 06	1109 90 89	1409 16 06	1109 90 89
S.1, B.3, B.7 glass	Central piece without label field	polar white, shining	1407 89 89	1109 90 89	1409 89 89	1109 90 89
S.1	Central piece without label field	white, shining	1407 89 82	1109 90 89	1409 89 82	1109 90 89
S.1, B.1, B.3, B.7 glass	Central piece without label field	polar white, dull	1407 19 09	1109 90 89	1409 19 09	1109 90 89
S.1, B.3, B.7 glass	Central plate without label field	polar white, shining	1468 09	1109 89 89	1469 09	1109 89 89
S.1.	Central plate without label field	white, shining	1468 02	1109 89 82	1469 02	1109 89 82
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: BUSCH-JAEGER

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
Reflex SI	Central plate without label field	alpine white	1803-214		1803-02-214	
Reflex SI		black			1803-02-215	
Busch-Doro 2000 SI		white	1803-212		1803-02-212	
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
alpha	Central plate without label field	palladium	1803-260	1476/10-24G	1803-02-260	1476/10-24G
		platinum	1803-20		1803-02-20	
		titanium	1803-266		1803-02-266	
		alabaster/studio white, high polish	1803-24G		1803-02-24G	
		bronze	1802-21		1803-02-21	
		ivory/white	1803-22G		1803-02-22G	
		studio white, dull	1803-24		24.02.1903	
impuls	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1746/10-74
	Central plate without label field	alpine white	1803-74	1746/10-74	1803-02-74	
		ivory/white	1803-72		1803-02-72	
		studio white, dull	1803-774		1803-02-774	
		black, dull	1803-775		1830-02-775	
		brambleberry	1830-777		1803-02-777	
		champagner, metallic	1803-79		1803-02-79	
		aluminum silver	1803-783		1803-02-783	
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	1746/10-84
future linear, carat	Central plate without label field	anthrazite	1803-81	1746/10-84	1803-02-81	
future linear, solo, carat, Busch-axcent		davos/studio white	1803-84		1803-02-84	
future linear, solo, carat		savanna/ivory white	1803-82		1803-02-82	
future linear		aluminum silver	1803-83		1803-02-83	
future linear		studio white, dull	1803-884		1803-02-884	
future linear		black, dull	1830-885		1803-02-885	
solo	Central plate without label field	meteor/grey metallic	1803-803		1803-02-803	
		sahara/yellow	1803-815		1803-02-815	
		toscana/purple red	1803-87		1803-02-87	
pure stainless steel	Central plate without label field	stainless steel	1803-866		1803-02-866	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: ELSO

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
Classic	Central plate without label field	dark bronze	306420		306430	
		silver grey	306421		306431	
Joy	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	363084
	Central plate without label field	pearl white	366400	363084	366410	
	Central plate with label field	pearl white	366500		366510	
	Central plate without label field	pure white	366404		366414	
	Central plate with label field	pure white	366504		366514	
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	203084
Fashion, Riva, Scala	Central plate with label field	pearl white (thermo unbreakable)	206520	203084	206530	
Fashion, Riva, Scala, Renovierung	Central plate without label field	pearl white (thermo unbreakable)	206400	203084	206410	
Fashion, Riva, Scala	Central plate with label field	pure white (thermo unbreakable)	206524	203084	206534	
Fashion, Riva, Scala	Central plate without label field	pure white (thermo unbreakable)	206404	203084	206414	
Renovierung	Central plate without label field	pure white	503654	203084	503664	
Fashion, Riva, Scala	Central plate without label field	pure white (antibacterial)	2064044	203084	2064144	
Fashion, Riva, Scala	Central plate with label field	pure white (antibacterial)	2065244	203084	1065344	
Fashion, Riva, Scala	Central plate without label field	decor (thermo unbreakable)	206400D	203084	206410D	
Fashion, Riva, Scala	Central plate with label field	grey (thermo unbreakable)	206521	203084	206531	
Fashion, Riva, Scala	Central plate without label field	grey (thermo unbreakable)	206401	203084	206411	
Fashion, Riva, Scala	Central plate with label field	agate grey	2065212	203084	2065312	
Fashion, Riva, Scala	Central plate with label field	anthrazitegrey	2065231	203084	2065331	
Fashion, Riva, Scala	Central plate with label field	sodalite blue	206526	203084	206536	
Fashion, Riva, Scala	Central plate with label field	red	206529	203084	206539	
Fashion, Riva, Scala	Central plate with label field	aluminum effect (varnished)	2065219	203084	2065319	
Fashion, Riva, Scala	Central plate with label field	stainless steel effect (varnished)	2065211	203084	2065311	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: GIRA

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
E22 (stainless steel series 20/series 21)	Central plate without label field	stainless steel (varnished)	0270 20		0270 20	
E22 (stainless steel series 20/series 21)	Central plate with label field	stainless steel (varnished)	0284 20		0284 20	
E22 (aluminum)	Central plate without label field	aluminum (varnished)	0270 203		0270 203	
E22 (aluminum)	Central plate with label field	aluminum (varnished)	0284 203		0284 203	
E22 (thermoplast)	Central plate without label field	pure white, shining	0270 03		0270 03	
E22 (thermoplast)	Central plate with label field	pure white, shining	0284 03		0284 03	
Area switch	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	0282 112
	Central plate without label field	creme white, shining	0270 111	0282 112	0270 111	
	Central plate with label field	creme white, shining	0284 111		0284 111	
	Central plate without label field	pure white, shining	0270 112		0270 112	
S-Color	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	0282 40
	Central plate without label field	blue	0270 46	0282 40	0270 46	
	Central plate with label field	blue	0284 46		0284 46	
	Central plate without label field	grey	0270 42		0270 42	
	Central plate with label field	grey	0284 42		0284 42	
	Central plate without label field	pure white	0270 40		0270 40	
	Central plate with label field	pure white	0284 40		0284 40	
	Central plate without label field	red	0270 43		0270 43	
	Central plate with label field	red	0284 43		0284 43	
	Central plate without label field	black	0270 47		0270 47	
	Central plate with label field	black	0284 47		0284 47	
System 55: Standard 55/ E2/Event/Esprit	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	0282 03
	Central plate without label field	creme white, shining	0270 01	0282 03	0270 01	
	Central plate with label field	creme white, shining	0284 01		0284 01	
	Central plate without label field	pure white, shining	0270 03		0270 03	
	Central plate with label field	pure white, shining	0284 03		0284 03	
	Central plate without label field	color aluminum	0270 26		0270 26	
	Central plate with label field	color aluminum	0284 26		0284 26	
	Central plate without label field	anthrazite	0270 28		0270 28	
	Central plate with label field	anthrazite	0284 28		0284 28	
	Central plate without label field	pure white, silk dull	0270 27		0270 27	
	Central plate with label field	pure white, silk dull	0284 27		0284 27	

All information is subject to change. Printing errors, falsities and technical changes are reserved

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: HAGER

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
kallysto.pur, kallysto.stil, kallysto.art	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (Zentralplatte 50x50 mm)	WYA550
kallysto.pur, kallysto.stil, kallysto.art	Central cover with label field	brilliant white	WYA510	WYA550	WYA520	
kallysto.pur	Central cover	creme	WYA511		WYA521	
kallysto.pur, kallysto.stil, kallysto.art	Central cover	silver	WYA516		WYA526	
kallysto.pur, kallysto.stil, kallysto.art	Central cover	anthrazite	WYA517		WYA527	
kallysto.pur, kallysto.stil, kallysto.art	Central cover	bronze	WYA518		WYA528	
kallysto.pur, kallysto.stil, kallysto.art	Central cover	champagner	WYA519		WYA529	
aluminum exclusive-design	Central cover with label field	aluminum brushed	WYA516A1	WYA550	WYA526A1	WYA550
		aluminum floral	WYA516A2		WYA526A2	
		aluminum linear	WYA516A3		WYA526A3	
		aluminum structured	WYA516A4		WYA526A4	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Manufacturer: MERTEN

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
System area (thermoplast brillant): Antik, Artec	Central plate with label field	dark brazil		516099	292615	516099
System area (thermoplast brillant): Artec		light grey			292629	
System area (thermoplast brillant): Artec		black grey			292669	
System area (metal): Artec		stainless steel	291846		292646	
System area (metal): Antik, Artec		antique brass			292643	
System area (thermoplast brillant): Artec, Tracent		aluminum	291860		292660	
System area (thermoplast brillant): Antik, Artec		white	291844		292644	
System area (thermoplast brillant): Antik, Artec		polar white	291819		292619	
Octocolor (metal)		Central plate with label field	bronze metallic, varnished			
Octocolor (metal)	titanium, varnished				292005	
Octocolor (thermoplast brillant)	polar white				292019	
Octocolor (thermoplast brillant)	white				292044	
System M (thermoplast brillant): 1-M/Atelier-M, M-Smart, M-Plan	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
System M (thermoplast brillant): 1-M/Atelier-M, M-Smart, M-Plan	Central plate without label field	polar white, shining	296219	518144	296119	518144
System M (thermoplast brillant): 1-M/Atelier-M, M-Smart, M-Plan		white, shining	296244		296144	
System M (thermoplast brillant): 1-M/Atelier-M, M-Smart, M-Plan		active white, shining	296225		296125	
System M (thermoplast edeldull): M-Arc, M-Plan		aluminum	298360		298060	
System M (thermoplast edeldull): M-Arc/M-Star, M-Plan		anthrazite	298314		298014	
System M (thermoplast edeldull): M-Smart M-Arc/M-Star, M-Plan		polar white, noble dull	298319		298019	
System M (thermoplast edeldull): M-Smart M-Arc/M-Star, M-Plan		white, noble dull	298344		298044	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: JUNG

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring			
	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)				
AS 500, A 500, A plus, A creation	Central plate without label field*	alpine white	A 569-1 PLUA WW	A 590 Z WW or A 590 z	A 569-2 PLUA WW	A 590 Z WW or A 590 z			
AS 500	Central plate without label field*	white	A 569-1 PLUA		A 569-2 PLUA				
AS universal	Central plate without label field*	alpine white	A 569-1 BFPLUA WW		A 569-2 BFPLUA WW				
AS universal	Central plate without label field*	white	A 569-1 BFPLUA		A 569-2 BFPLUA				
A 500, A plus, A creation	Central plate without label field*	aluminum	A 569-1 PLUA AL		A 569-2 PLUA AL				
A 500, A plus, A creation	Central plate without label field*	black	A 569-1 PLUA SW		A 569-2 PLUA SW				
LS 990, LS-design, LS plus	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)				
LS 990, LS-design, LS plus, FD-Design	Central plate without label field	alpine white	LS 969-1 UA WW	LS 961 Z WW or LS 961 Z	LS 969-2 UA WW	LS 961 Z WW or LS 961 Z			
	Central plate with label field	alpine white	LS 969-1 NAUA WW		LS 969-2 NAUA WW				
	Central plate without label field	white	LS 969-1 UA		LS 969-2 UA				
	Central plate with label field	white	LS 969-1 NAUA		LS 969-2 NAUA				
	Central plate without label field	light grey	LS 969-1 UA LG		LS 969-2 UA LG				
	Central plate with label field	light grey	LS 969-1 NAUA LG		LS 969-2 NAUA LG				
	Central plate without label field	black	LS 969-1 UA SW		LS 969-2 UA SW				
	Central plate with label field	black	LS 969-1 NAUA SW		LS 969-2 NAUA SW				
	Central plate without label field	aluminum	AL 2969-1 UA		AL 2969-2 UA				
	Central plate with label field	aluminum	AL 2969-1 NAUA		AL 2969-2 NAUA				
	Central plate without label field	anthrazite (varnished Al)	AL 2969-1 UA AN		AL 2969-2 UA AN				
	Central plate with label field	anthrazite (varnished Al)	AL 2969-1 NAUA AN		AL 2969-2 NAUA AN				
	Central plate without label field	stainless steel	ES 2969-1 UA		ES 2969-2 UA				
	Central plate with label field	stainless steel	ES 2969-1 NAUA		ES 2969-2 NAUA				
	Central plate without label field	shining chrome	GCR 2969-1 UA		GCR 2969-2 UA				
	Central plate with label field	shining chrome	GCR 2969-1 NAUA		GCR 2969-2 NAUA				
	Central plate without label field	gold color	GO 2969-1 UA		GO 2969-2 UA				
	Central plate with label field	gold color	GO 2969-1 NAUA		GO 2969-2 NAUA				
	Central plate without label field	gold 24 carat	LS 969-1 UA GGO		LS 969-2 UA GGO				
SL 500	Central plate without label field	alpine white	SL 569-1 UA WW	LS 961 Z WW or LS 961 Z	SL 569-2 UA WW	LS 961 Z WW or LS 961 Z			
		gold-bronze	SL 569-1 UA GB		SL 569-2 UA GB				
		black	SL 569-1 UA SW		SL 569-2 UA SW				
CD 500, CD plus, CD universal	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)				
	Central plate without label field	alpine white	CD 569-1 UA WW	CD 590 Z WW or 590 Z	CD 569-2 UA WW	CD 590 Z WW or 590 Z			
	Central plate with label field	alpine white	CD 569-1 NAUA WW		CD 569-2 NAUA WW				
	Central plate without label field	white	569-1 UA		569-2 UA				
	Central plate with label field	white	569-1 NAUA		569-2 NAUA				
	Central plate without label field	black	CD 569-1 UA SW		CD 569-2 UA SW				
	Central plate with label field	black	CD 569-1 NAUA SW		CD 569-2 NAUA SW				
	Central plate without label field	Braun	CD 569-1 UA BR		CD 569-2 UA BR				
	Central plate with label field	Braun	CD 569-1 NAUA BR		CD 569-2 NAUA BR				
	Central plate without label field	grey	CD 569-1 UA GR		CD 569-2 UA GR				
	Central plate with label field	grey	CD 569-1 NAUA GR		CD 569-2 NAUA GR				
	Central plate without label field	light grey	CD 569-1 UA LG		CD 569-2 UA LG				
	Central plate with label field	light grey	CD 569-1 NAUA LG		CD 569-2 NAUA LG				
	Central plate without label field	gold-bronze (aluminum anodized)	CD 569-1 UA GB		CD 569-2 UA GB				
	Central plate with label field	gold-bronze (aluminum anodized)	CD 569-1 NAUA GB		CD 569-2 NAUA GB				
	Central plate without label field	platinum (aluminum anodized)	CD 569-1 UA PT		CD 569-2 UA PT				
	Central plate with label field	platinum (aluminum anodized)	CD 569-1 NAUA PT						
	* : Labelling via frame								
	All information is subject to change. Printing errors, falsities and technical changes are reserved								

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: PEHA

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
STANDARD	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Central plate without label field	Arctic	D 80.610 UAE/1-N AW	D 80.670.02 ZV	D 80.610 UAE/2-N AW	D 80.670.02 ZV
		creme white/electro white	D 80.610 UAE/1-NW		D 80.610 UAE/2-NW	
		white	D 80.610.01 UAE/1-N		D 80.610.01 UAE/2-N	
DIALOG	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Central plate with label field	aluminum	D 95.610.70 UAE/1-N	D 95.670.02 ZV	D 95.610.70 UAE/2-N	D 95.670.02 ZV
		brown	D 95.610.26 UAE/1-N		D 95.610.26 UAE/2-N	
		creme white/electro white	D 95.610.03 UAE/1-N		D 95.610.03 UAE/2-N	
		black	D 95.610.19 UAE/1-N		D 95.610.19 UAE/2-N	
		white	D 95.610.02 UAE/1-N		D 95.610.02 UAE/2-N	
AURA	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Central plate with label field	aluminum	D 20.610.70 UAE/1 NA	D 20.670.02 ZV	D 20.610.70 UAE/2 NA	D 20.670.02 ZV
		anthrazite	D 20.610.21 UAE/1 NA		D 20.610.21 UAE/2 NA	
		white	D 20.610.02 UAE/1 NA		D 20.610.02 UAE/2 NA	
NOVA	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Central plate with label field	aluminum	D 20.610.702 UAE/1 NA	D 20.670.022 ZV	D 20.610.702 UAE/2 NA	D 20.670.022 ZV
		black	D 20.610.192 UAE/1 NA		D 20.610.192 UAE/2 NA	
		white	D 20.610.022 UAE/1 NA		D 20.610.022 UAE/2 NA	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility list switch programm - design compatible

Suitable switch covers for DIGITUS® module entry // DN-93831 // DN-9008-1 // DN-9007-1 // DN-9007-S-1 // DN-9006-N // DN-9005-N // DN-9002-N // DN-9001-N

Manufacturer: SIEMENS

Switch programm	Central plate, cover plate	Color, surface	Item code 1x RJ45 socket	Adapter ring, spacer ring	Item code 2x RJ45 socket	Adapter ring, spacer ring
DELTA i-System (DELTA line/miro)	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
DELTA i-System (DELTA line/miro)	Cover plate without label field	aluminum-metallic (RAL 9006)	5TG1 257		5TG1 257	
DELTA i-System (DELTA line/miro)	Cover plate with label field	aluminum-metallic (RAL 9006)	5TG1 258		5TG1 258	
DELTA i-System (DELTA line/miro)	Cover plate without label field	carbon-metallic (RAL 7016)	5TG1 227		5TG1 227	
DELTA i-System (DELTA line/miro)	Cover plate with label field	carbon-metallic (RAL 7016)	5TG1 228		5TG1 228	
DELTA i-System (DELTA line)	Cover plate without label field	electro white (RAL 1013)	5TG2 543		5TG2 543	
DELTA i-System (DELTA line)	Cover plate with label field	electro white (RAL 1013)	5TG2 544		5TG2 544	
DELTA i-System (DELTA line/miro)	Cover plate without label field	titanium white (RAL 9010)	5TG2 545		5TG2 545	
DELTA i-System (DELTA line/miro)	Cover plate with label field	titanium white (RAL 9010)	5TG2 546		5TG2 546	
DELTA natur	Cover plate without label field	maple	5TG1 633		5TG1 633	
		maple red	5TG1 632		5TG1 632	
		beek	5TG1 634		5TG1 634	
		light oak	5TG1 630		5TG1 630	
		dark oak	5TG1 631		5TG1 631	
		cherry wood	5TG1 635		5TG1 635	
DELTA profil	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Cover plate without label field	anthrazite	5TG1 848	5TG1 806	5TG1 848	5TG1 806
	Cover plate with label field	anthrazite	5TG1 851		5TG1 851	
	Cover plate without label field	champagner	5TG1 938-1		5TG1 938-1	
	Cover plate with label field	champagner	5TG1 940-1		5TG1 940-1	
	Cover plate without label field	silver (RAL 9006)	5TG1 765		5TG1 765	
	Cover plate with label field	silver (RAL 9006)	5TG1 767		5TG1 767	
	Cover plate without label field	titanium white (RAL 9010)	5TG1 818		5TG1 818	
	Cover plate with label field	titanium white (RAL 9010)	5TG1 821		5TG1 821	
		Phase out type				
DELTA style	DIGITUS® Central plate with label field	pure white	-	-	DN-93831 (central plate 50x50 mm)	
	Cover plate without label field	platinum metallic (RAL 9007)	5TG1 394-1	5TG1 326	5TG1 394-1	5TG1 326
	Cover plate with label field	platinum metallic (RAL 9007)	5TG1 395-1		5TG1 395-1	
	Cover plate without label field	titanium white (RAL 9010)	5TG1 394		5TG1 394	
	Cover plate with label field	titanium white (RAL 9010)	5TG1 395		5TG1 395	
All information is subject to change. Printing errors, falsities and technical changes are reserved						

Compatibility List of Switching Programs

Suitable Manufacturer Design Enclosures in combination with the following Keystone Modules:

DN-93617 // DN-93615 // DN-93612-1 // DN-93512

Busch-Jäger		
1812	1875 EB	
1810	1758-21x	
1814	1758-2x	
1816	1758-2xx	
1818	1758-7x	
1819	1758-8x	
1820	1758 WS	
1800-21x	1758 WN-5x	
1800-2x	2561-21x	
1800-2xx	2561-2x	
1800-7x	2561-2xx	
1800-8x	2561-02-21x	
1866 EB	2561-02-2x	
1867 EB	2561-02-2xx	
1871 EB	Gira	
1872 EB	0663 01	
	0663 03	
		System 55*
		0663 27
		0663 28
		0663 26
		E22
		0663 20
		0663 203
		Fläche
		0663 111
		0663 112
		S-Color
		0663 40
		0663 42
		0663 43
		0663 46
		0663 47
		0191 00

*Integrierbar in Standard 55, E2, Event, Esprit

The enclosures listed on top can be integrated in particular framework programmes (frame 1-5 times):
System 55: Standard, E2, Event, Esprit,
E22: Stainless steel range 20 and 21, E22 stainless steel, E22 aluminium
Area
S-Color

All data without warranty! Typing mistakes, errors and technical changes are reserved.

Compatibility List of Switching Programs

Suitable Manufacturer Design Enclosures in combination with the following Keystone Modules:

DN-93617 // DN-93615 // DN-93612-1 // DN-93512

Albrecht Jung GmbH				
1.	Moule can be installed		1183-028.BKE.F.61	139 000 01
	A569-2NSIE		978 742 000	Keystone Design, Version A
			1183-028.FM.TE.F.61	UM-UMA 3 Up
			878 485 000	139 000 02
2.			1183-028.FMI.61	Keystone Design, Version A
			878 270 000	
3.	Installation Adapter		1183-028.FX.54.61	
	2 universal modules		878 070 000	
	Sample Module can be installed		1183-028.FKE.61	
	Typ A Art.-Nr.: UMA-CAT 6A		878 477 000	
	Art.-Nr.: UMA-MA2		1183-028.BKE.61	
			978 732 000	
Feller	1183-028.FMI.F.61		1183-028.FM.TE.61	
	878 260 000		878 475 000	
EDIZIOdue	1183-028.FX.54.F.61			
Itplus CAT 6A, RJ45-Dosen	878 060 000	Rutenbeck	UM-UMA 2 Up	
shielded/unshielded	1183-082.FKE.F.61		139 000 04	
Keystone Mounting Set	878 487 000		UM-UMA 2 Up	

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Compatibility List of Switching Programs

Suitable Manufacturer Keystone Modules in combination with the Module Inclusion:
DN-93831

Manufacturer	Description	Artikel No.			
ASSMANN	DIGITUS® Keystone	DN-93617			20 82 000 002
					20 82 001 0001
					20 82 001 0002
					20 82 500 0001
					20 82 500 0002
					6920 0052/P.1
					6920 0052.1
					6920 4052.1
					6920 0022.1
					418054
					130B21-E

Harting	HA-VIS preLink	
Cobinet	CobiDat KS	
Dätwyler	KS-TS	
BTR	C6A modul K	

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