

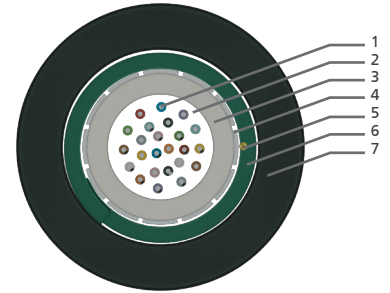
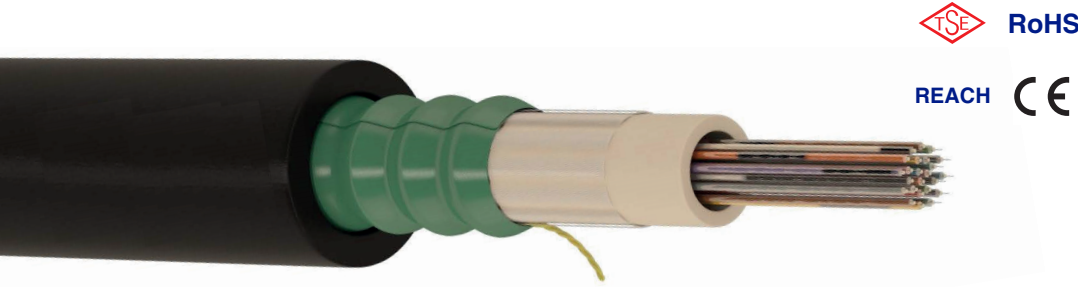
Fiber Optic Cables

SLT-SA-SJ-(GY12)

A-DQ(ZN)(SR)2Y

Single loose tube, corrugated steel tape armor fiber optic cable.

beek



Application

- Easy and fast installation due to its small diameter and light construction.
- Suitable for pushing, blowing method.
- In network systems, MAN, WAN, LAN applications.
- Rodent protection.

Cable Construction

- 1 - Optical fiber core ¹
- 2 - Waterproof thixotropic jelly
- 3 - PBT Tube
- 4 - Non-metallic strength member (Glass yarn)
- 5 - Ripcord
- 6 - Corrugated steel tape
- 7 - UV resistant polyethylene (HDPE) black outer jacket

Mechanical and Environmental Characteristics

	Test Standard	Specified Value	Acceptance Criteria
Maximum Installation Tension ²	IEC 60794-1-2-E1	1.0 x W(N), min. 1200 N	Fiber strain $\leq 0.33\%$
Maximum Operation Tension	IEC 60794-1-2-E1	0.5 x W(N), min. 600 N	$\Delta\alpha \leq 0.05$ dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	1500 N / 100 mm, max. 15 min.	$\Delta\alpha \leq 0.05$ dB, No damage
Impact	IEC 60794-1-2-E4	10 Nm, 3 impacts, R= 300 mm	$\Delta\alpha \leq 0.05$ dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 180°, 10 cycles	$\Delta\alpha \leq 0.05$ dB, No damage
Repeated Bending	IEC 60794-1-2-E6	R=20x D, 100 N, 35 cycles	No damage
Bending Radius	IEC 60794-1-2-E11	R=20x D, 4 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +70°C	$\Delta\alpha \leq 0.05$ dB/km
Waterproofness	IEC 60794-1-2-F5B	Sample= 3 m, water column= 1 m	No water leakage in 24 hours.

Application

	Minimum Bending Radius		Temperature Range	
Operation	20 x cable Ø	Storage	0°C to +70°C	Installation -30 to +60°C
Fixed	15 x cable Ø	Transport	0°C to +70°C	Operating -20 to +70°C

Marking, Packing, Delivery Lengths

Marking	Manufacturer Name <Date of Manufacture> <Fiber Count and Type> <Length Marking>
Packing	Wooden drum with protection
Delivery Lengths	2 km, 4 km $\pm$ %5 tolerance

Notes

¹ Optical fiber core could be applied as G.652.D, G.655, G.657.A1, G.657.A2, OM1, OM2, OM3, OM4 according to customer demand.

² Maximum tensile strength could be changed according to customer demand.

Manufacturing Standard: TS EN 60794-3-12

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Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
SM G.652.D	2	1	2.8	7.5	71
SM G.652.D	4	1	2.8	7.5	71
SM G.652.D	6	1	2.8	7.5	71
SM G.652.D	8	1	2.8	7.5	71
SM G.652.D	10	1	2.8	7.5	71
SM G.652.D	12	1	2.8	7.5	71
SM G.652.D	16	1	3.8	8.7	91
SM G.652.D	18	1	3.8	8.7	91
SM G.652.D	20	1	3.8	8.7	91
SM G.652.D	24	1	3.8	8.7	91
Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
OM1	2	1	2.8	7.5	71
OM1	4	1	2.8	7.5	71
OM1	6	1	2.8	7.5	71
OM1	8	1	2.8	7.5	71
OM1	12	1	2.8	7.5	71
OM1	16	1	3.8	8.7	91
OM1	20	1	3.8	8.7	91
OM1	24	1	3.8	8.7	91
Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
OM2	2	1	2.8	7.5	71
OM2	4	1	2.8	7.5	71
OM2	6	1	2.8	7.5	71
OM2	8	1	2.8	7.5	71
OM2	12	1	2.8	7.5	71
OM2	16	1	3.8	8.7	91
OM2	20	1	3.8	8.7	91
OM2	24	1	3.8	8.7	91
Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
OM3	2	1	2.8	7.5	71
OM3	4	1	2.8	7.5	71
OM3	6	1	2.8	7.5	71
OM3	8	1	2.8	7.5	71
OM3	12	1	2.8	7.5	71
OM3	16	1	3.8	8.7	91
OM3	20	1	3.8	8.7	91
OM3	24	1	3.8	8.7	91
Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
OM4	2	1	2.8	7.5	71
OM4	4	1	2.8	7.5	71
OM4	6	1	2.8	7.5	71
OM4	8	1	2.8	7.5	71
OM4	12	1	2.8	7.5	71
OM4	16	1	3.8	8.7	91
OM4	20	1	3.8	8.7	91
OM4	24	1	3.8	8.7	91