

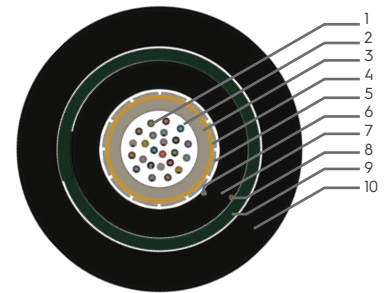
Fiber Optic Cables

SLT-SA-DHFJ-(GY30)-(FR)

U-DQ(ZN)H(SR)H

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

RoHS REACH CE



Application

- Easy and fast installation due to its small diameter and light construction.
- Suitable for pushing, blowing method.
- Indoor and duct type applications; low smoke, zero halogen.
- In heavy duty environments.
- In network systems, MAN, WAN, LAN applications.
- Rodent protection.
- Due to its fire resistance, in applications where human life needs to be protected.

Cable Construction

- 1 - Optical fiber core ¹
- 2 - Waterproof thixotropic jelly
- 3 - PBT Tube
- 4 - Mica tape
- 5 - Non-metallic strength member (Glass yarn)
- 6 - Ripcord
- 7 - UV resistant halogen-free (LSOH) inner jacket
- 8 - Ripcord
- 9 - Corrugated steel tape
- 10 - UV resistant halogen-free (LSOH) outer jacket

Mechanical and Environmental Characteristics

	Test Standard	Specified Value	Acceptance Criteria
Maximum Installation Tension ²	IEC 60794-1-2-E1	1.5 x W(N), min. 3000 N	Fiber strain ≤ 0.33%
Maximum Operation Tension	IEC 60794-1-2-E1	0.5 x W(N), min. 1000 N	Δa ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	2500 N / 100 mm, max. 15 min.	Δa ≤ 0.05 dB, No damage
Impact	IEC 60794-1-2-E4	10 Nm, 3 impacts, R= 300 mm	Δa ≤ 0.05 dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 180°, 10 cycles	Δa ≤ 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	Δa ≤ 0.05 dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +70°C	Δa ≤ 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°C to +60°C
Fixed	10 x cable Ø	Transport	0°C to +70°C	Operating -20°C to +70°C

Marking, Packing, Delivery Lengths

Marking	ETK Kablo <Date of Manufacture> <Fiber Count and Type> <Length Marking>
Packing	Wooden drum with protection
Delivery Lengths	2 km, 4 km ± %5 tolerance

Test Standards

Low Smoke Test	Non-corrosiveness Test	Fire Performance Test	Flame Retardancy Test
IEC 61034, EN 50268	IEC 60754, EN 50267	IEC 60331-25	IEC 60332-1

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

SLT-SA-DHFJ-(GY30)-(FR)

Part Number	Core Type	Core Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.2070.6.6.0900.0.0002	SM G.652.D	2	2.8	11.7	180
3.2070.6.6.0900.0.0004	SM G.652.D	4	2.8	11.7	185
3.2070.6.6.0900.0.0006	SM G.652.D	6	2.8	11.7	185
3.2070.6.6.0900.0.0008	SM G.652.D	8	2.8	11.7	185
3.2070.6.6.0900.0.0012	SM G.652.D	12	3.4	12.2	200
3.2070.6.6.0900.0.0016	SM G.652.D	16	4.2	13.0	220
3.2070.6.6.0900.0.0020	SM G.652.D	20	4.2	13.0	220
3.2070.6.6.0900.0.0024	SM G.652.D	24	4.2	13.0	220
Part Number	Core Type	Core Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.2070.6.6.0625.0.0002	OM1	2	2.8	11.7	180
3.2070.6.6.0625.0.0004	OM1	4	2.8	11.7	185
3.2070.6.6.0625.0.0006	OM1	6	2.8	11.7	185
3.2070.6.6.0625.0.0008	OM1	8	2.8	11.7	185
3.2070.6.6.0625.0.0012	OM1	12	3.4	12.2	200
3.2070.6.6.0625.0.0016	OM1	16	4.2	13.0	220
3.2070.6.6.0625.0.0020	OM1	20	4.2	13.0	220
3.2070.6.6.0625.0.0024	OM1	24	4.2	13.0	220
Part Number	Core Type	Core Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.2070.6.6.0502.0.0002	OM2	2	2.8	11.7	180
3.2070.6.6.0502.0.0004	OM2	4	2.8	11.7	185
3.2070.6.6.0502.0.0006	OM2	6	2.8	11.7	185
3.2070.6.6.0502.0.0008	OM2	8	2.8	11.7	185
3.2070.6.6.0502.0.0012	OM2	12	3.4	12.2	200
3.2070.6.6.0502.0.0016	OM2	16	4.2	13.0	220
3.2070.6.6.0502.0.0020	OM2	20	4.2	13.0	220
3.2070.6.6.0502.0.0024	OM2	24	4.2	13.0	220
Part Number	Core Type	Core Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.2070.6.6.0503.0.0002	OM3	2	2.8	11.7	180
3.2070.6.6.0503.0.0004	OM3	4	2.8	11.7	185
3.2070.6.6.0503.0.0006	OM3	6	2.8	11.7	185
3.2070.6.6.0503.0.0008	OM3	8	2.8	11.7	185
3.2070.6.6.0503.0.0012	OM3	12	3.4	12.2	200
3.2070.6.6.0503.0.0016	OM3	16	4.2	13.0	220
3.2070.6.6.0503.0.0020	OM3	20	4.2	13.0	220
3.2070.6.6.0503.0.0024	OM3	24	4.2	13.0	220
Part Number	Core Type	Core Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.2070.6.6.0504.0.0002	OM4	2	2.8	11.7	180
3.2070.6.6.0504.0.0004	OM4	4	2.8	11.7	185
3.2070.6.6.0504.0.0006	OM4	6	2.8	11.7	185
3.2070.6.6.0504.0.0008	OM4	8	2.8	11.7	185
3.2070.6.6.0504.0.0012	OM4	12	3.4	12.2	200
3.2070.6.6.0504.0.0016	OM4	16	4.2	13.0	220
3.2070.6.6.0504.0.0020	OM4	20	4.2	13.0	220
3.2070.6.6.0504.0.0024	OM4	24	4.2	13.0	220