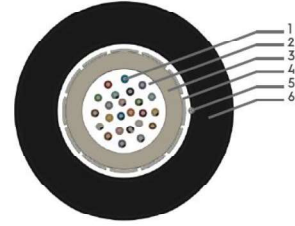


Fiber Optic Cables

SLT-NMA-SJ-(GY12)

A-DQ(ZN)2Y

Single loose tube, non-metallic armor fiber optic cable.



Application | Cable Construction

- Easy and fast installation due to its small diameter and light construction.
- Suitable for pushing, blowing method.
- Problem-free use in power lines due to its non-metallic construction.
- In network systems, MAN, WAN, LAN applications.
- Rodent protection.

- 1 - Optical fiber core
- 2 - Waterproof thixotropic jelly
- 3 - PBT Tube
- 4 - Non-metallic strength member (Glass yarn)
- 5 - Ripcord
- 6 - 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 ≤ 0.33%
Maximum Operation Tension	IEC 60794-1-2-E1	400 N	Δα ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	1500 N / 100 mm, max. 15 min.	Δα ≤ 0.05 dB, No damage
Impact	IEC 60794-1-2-E4	10 Nm, 3 impacts, R= 300 mm	Δα ≤ 0.05 dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 180°, 10 cycles	Δα ≤ 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	Δα ≤ 0.05 dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +70°C	Δα ≤ 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	-40 to +70°C
Fixed	15 x cable Ø	Installation	-30 to +60°C
		Transport	-40 to +70°C
		Operating	-20 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

Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.200.0.6.1.0503.0.0002	OM3	2	1	3.4	7.1	46
3.200.0.6.1.0503.0.0004	OM3	4	1	3.4	7.1	46
3.200.0.6.1.0503.0.0006	OM3	6	1	3.4	7.1	46
3.200.0.6.1.0503.0.0008	OM3	8	1	3.4	7.1	46
3.200.0.6.1.0503.0.0012	OM3	12	1	3.4	7.1	46
3.200.0.6.1.0503.0.0016	OM3	16	1	4.2	8.0	60
3.200.0.6.1.0503.0.0020	OM3	20	1	4.2	8.0	59
3.200.0.6.1.0503.0.0024	OM3	24	1	4.2	8.0	59