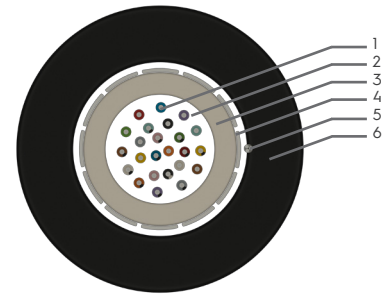


Fiber Optic Cables

SLT-NMA-SJ-(GY25)

A-DQ(ZN)2Y

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



Application

- 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.

Cable Construction

- 1 - Optical fiber core ¹
- 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 | 1.5 x W(N), min. 2500 N | Fiber strain ≤ 0.33% |
| Maximum Operation Tension | IEC 60794-1-2-E1 | 750 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 | Installation | -30 to +60°C |
| Fixed | 15 x cable Ø | 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 |

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-NMA-SJ-(GY25)

| Part Number | Core Type | Core Count | Tube Count | Tube Diameter (mm) | Cable Diameter (mm) | Cable Weight (kg/km) |
|-------------------------|------------|------------|------------|--------------------|---------------------|----------------------|
| 3.200.0.6.1.0900.1.0002 | SM G.652.D | 2 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0900.1.0004 | SM G.652.D | 4 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0900.1.0006 | SM G.652.D | 6 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0900.1.0008 | SM G.652.D | 8 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0900.1.0012 | SM G.652.D | 12 | 1 | 3.4 | 7.4 | 54 |
| 3.200.0.6.1.0900.1.0016 | SM G.652.D | 16 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0900.1.0020 | SM G.652.D | 20 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0900.1.0024 | SM G.652.D | 24 | 1 | 4.2 | 8.3 | 65 |
| Part Number | Core Type | Core Count | Tube Count | Tube Diameter (mm) | Cable Diameter (mm) | Cable Weight (kg/km) |
| 3.200.0.6.1.0625.1.0002 | OM1 | 2 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0625.1.0004 | OM1 | 4 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0625.1.0006 | OM1 | 6 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0625.1.0008 | OM1 | 8 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0625.1.0012 | OM1 | 12 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0625.1.0016 | OM1 | 16 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0625.1.0020 | OM1 | 20 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0625.1.0024 | OM1 | 24 | 1 | 4.2 | 8.3 | 65 |
| Part Number | Core Type | Core Count | Tube Count | Tube Diameter (mm) | Cable Diameter (mm) | Cable Weight (kg/km) |
| 3.200.0.6.1.0502.1.0002 | OM2 | 2 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0502.1.0004 | OM2 | 4 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0502.1.0006 | OM2 | 6 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0502.1.0008 | OM2 | 8 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0502.1.0012 | OM2 | 12 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0502.1.0016 | OM2 | 16 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0502.1.0020 | OM2 | 20 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0502.1.0024 | OM2 | 24 | 1 | 4.2 | 8.3 | 65 |
| Part Number | Core Type | Core Count | Tube Count | Tube Diameter (mm) | Cable Diameter (mm) | Cable Weight (kg/km) |
| 3.200.0.6.1.0503.1.0002 | OM3 | 2 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0503.1.0004 | OM3 | 4 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0503.1.0006 | OM3 | 6 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0503.1.0008 | OM3 | 8 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0503.1.0012 | OM3 | 12 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0503.1.0016 | OM3 | 16 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0503.1.0020 | OM3 | 20 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0503.1.0024 | OM3 | 24 | 1 | 4.2 | 8.3 | 65 |
| Part Number | Core Type | Core Count | Tube Count | Tube Diameter (mm) | Cable Diameter (mm) | Cable Weight (kg/km) |
| 3.200.0.6.1.0504.1.0002 | OM4 | 2 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0504.1.0004 | OM4 | 4 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0504.1.0006 | OM4 | 6 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0504.1.0008 | OM4 | 8 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0504.1.0012 | OM4 | 12 | 1 | 3.4 | 7.4 | 55 |
| 3.200.0.6.1.0504.1.0016 | OM4 | 16 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0504.1.0020 | OM4 | 20 | 1 | 4.2 | 8.3 | 65 |
| 3.200.0.6.1.0504.1.0024 | OM4 | 24 | 1 | 4.2 | 8.3 | 65 |