

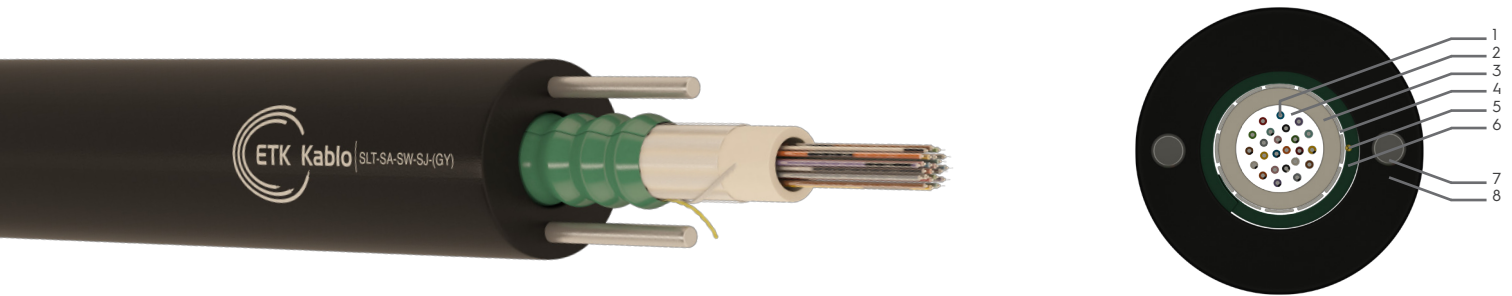
# Fiber Optic Cables

## SLT-SA-SW-SJ-(GY50)

A-DQ(ZN)(SR)2Y

Single loose tube, corrugated steel tape armor, horizontally laid steel wire in the outer jacket fiber optic cable.

RoHS REACH CE



### Application

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

### Cable Construction

- 1 - Optical fiber core <sup>1</sup>
- 2 - Waterproof thixotropic jelly
- 3 - PBT Tube
- 4 - Non-metallic strength member (Glass yarn)
- 5 - Ripcord
- 6 - Corrugated steel tape
- 7 - Galvanized steel wire (2x1.2 mm)
- 8 - UV resistant polyethylene (HDPE) black outer jacket

### Mechanical and Environmental Characteristics

	Test Standard	Specified Value	Acceptance Criteria
Maximum Installation Tension <sup>2</sup>	IEC 60794-1-2-E1	3.0 x W(N), min. 5000 N	Fiber strain ≤ 0.33%
Maximum Operation Tension	IEC 60794-1-2-E1	1.0 x W(N), min. 1500 N	Δα ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	3000 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	0°C to +70°C	Installation	-30 to +60°C
Fixed	10 x cable Ø	Transport	0°C 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

<sup>1</sup> 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.

<sup>2</sup> Maximum tensile strength could be changed according to customer demand.

Manufacturing Standard: TS EN 60794-3-12

## SLT-SA-SW-SJ-(GY50)

Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.211.0.6.1.0900.0.0002	SM G.652.D	2	1	2.8	10.4	130
3.211.0.6.1.0900.0.0004	SM G.652.D	4	1	2.8	10.4	130
3.211.0.6.1.0900.0.0006	SM G.652.D	6	1	2.8	10.4	129
3.211.0.6.1.0900.0.0008	SM G.652.D	8	1	2.8	10.4	129
3.211.0.6.1.0900.0.0012	SM G.652.D	12	1	2.8	10.4	129
3.211.0.6.1.0900.0.0016	SM G.652.D	16	1	3.8	11.5	153
3.211.0.6.1.0900.0.0020	SM G.652.D	20	1	3.8	11.4	152
3.211.0.6.1.0900.0.0024	SM G.652.D	24	1	3.8	11.4	152
Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.211.0.6.1.0625.0.0002	OM1	2	1	2.8	10.4	130
3.211.0.6.1.0625.0.0004	OM1	4	1	2.8	10.4	130
3.211.0.6.1.0625.0.0006	OM1	6	1	2.8	10.4	129
3.211.0.6.1.0625.0.0008	OM1	8	1	2.8	10.4	129
3.211.0.6.1.0625.0.0012	OM1	12	1	2.8	10.4	129
3.211.0.6.1.0625.0.0016	OM1	16	1	3.8	11.5	153
3.211.0.6.1.0625.0.0020	OM1	20	1	3.8	11.4	152
3.211.0.6.1.0625.0.0024	OM1	24	1	3.8	11.4	152
Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.211.0.6.1.0502.0.0002	OM2	2	1	2.8	10.4	130
3.211.0.6.1.0502.0.0004	OM2	4	1	2.8	10.4	130
3.211.0.6.1.0502.0.0006	OM2	6	1	2.8	10.4	129
3.211.0.6.1.0502.0.0008	OM2	8	1	2.8	10.4	129
3.211.0.6.1.0502.0.0012	OM2	12	1	2.8	10.4	129
3.211.0.6.1.0502.0.0016	OM2	16	1	3.8	11.5	153
3.211.0.6.1.0502.0.0020	OM2	20	1	3.8	11.4	152
3.211.0.6.1.0502.0.0024	OM2	24	1	3.8	11.4	152
Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.211.0.6.1.0503.0.0002	OM3	2	1	2.8	10.4	130
3.211.0.6.1.0503.0.0004	OM3	4	1	2.8	10.4	130
3.211.0.6.1.0503.0.0006	OM3	6	1	2.8	10.4	129
3.211.0.6.1.0503.0.0008	OM3	8	1	2.8	10.4	129
3.211.0.6.1.0503.0.0012	OM3	12	1	2.8	10.4	129
3.211.0.6.1.0503.0.0016	OM3	16	1	3.8	11.5	153
3.211.0.6.1.0503.0.0020	OM3	20	1	3.8	11.4	152
3.211.0.6.1.0503.0.0024	OM3	24	1	3.8	11.4	152
Part Number	Core Type	Core Count	Tube Count	Tube Diameter (mm)	Cable Diameter (mm)	Cable Weight (kg/km)
3.211.0.6.1.0504.0.0002	OM4	2	1	2.8	10.4	130
3.211.0.6.1.0504.0.0004	OM4	4	1	2.8	10.4	130
3.211.0.6.1.0504.0.0006	OM4	6	1	2.8	10.4	129
3.211.0.6.1.0504.0.0008	OM4	8	1	2.8	10.4	129
3.211.0.6.1.0504.0.0012	OM4	12	1	2.8	10.4	129
3.211.0.6.1.0504.0.0016	OM4	16	1	3.8	11.5	153
3.211.0.6.1.0504.0.0020	OM4	20	1	3.8	11.4	152
3.211.0.6.1.0504.0.0024	OM4	24	1	3.8	11.4	152