

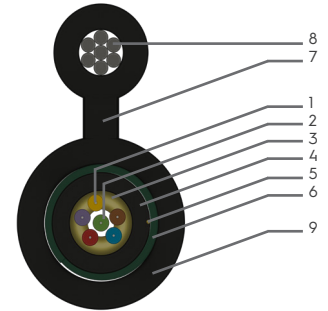
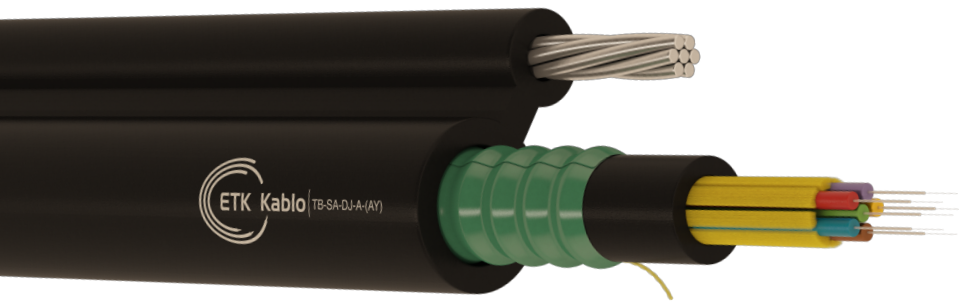
Fiber Optic Cables

TB-SA-DJ-A

A-V(ZN)H(SR)T2Y

Outdoor Distribution Cable

RoHS REACH CE



Application

- Easy strippable 900 µm diameter tight buffer fiber.
- In heavy duty environments.
- As a backbone cable in FTTx systems.
- Completely dry design.

Cable Construction

- 1 - Optical fiber core ¹
- 2 - HFFR insulated tight-buffered fiber of 900 µm diameter
- 3 - Non-metallic strength member (Glass yarn or aramid yarn)
- 4 - UV resistant halogen-free (LSOH) black inner jacket.
- 5 - Ripcord
- 6 - Corrugated steel tape
- 7 - Web
- 8 - Steel messenger wire
- 9 - 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	1.0 x W(N), min. 1500 N	Fiber strain ≤ 0.33%
Maximum Operation Tension	IEC 60794-1-2-E1	0.5 x W(N), min. 750 N	Δα ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	1000 N / 100 mm, max. 10 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°, 5 cycles	Δα ≤ 0.05 dB, No damage
Repeated Bending	IEC 60794-1-2-E6	R=20x D, 100 N, 5 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

Application

	Minimum Bending Radius		Temperature Range		
Operation	20 x cable Ø	Storage	-40°C to +70°C	Installation	-30°C to +60°C
Fixed	15 x cable Ø	Transport	-40°C to +70°C	Operating	-40°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

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

TB-SA-DJ-A

Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.296.0.3.1.0900.0.0002	SM G.652.D	2	10.8	170
4.296.0.3.1.0900.0.0004	SM G.652.D	4	11.2	179
4.296.0.3.1.0900.0.0006	SM G.652.D	6	11.7	190
4.296.0.3.1.0900.0.0008	SM G.652.D	8	12.2	202
4.296.0.3.1.0900.0.0012	SM G.652.D	12	12.9	214
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.296.0.3.1.0625.0.0002	OM1	2	10.8	170
4.296.0.3.1.0625.0.0004	OM1	4	11.2	179
4.296.0.3.1.0625.0.0006	OM1	6	11.7	190
4.296.0.3.1.0625.0.0008	OM1	8	12.2	202
4.296.0.3.1.0625.0.0012	OM1	12	12.9	214
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.296.0.3.1.0502.0.0002	OM2	2	10.8	170
4.296.0.3.1.0502.0.0004	OM2	4	11.2	179
4.296.0.3.1.0502.0.0006	OM2	6	11.7	190
4.296.0.3.1.0502.0.0008	OM2	8	12.2	202
4.296.0.3.1.0502.0.0012	OM2	12	12.9	214
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.296.0.3.1.0503.0.0002	OM3	2	10.8	170
4.296.0.3.1.0503.0.0004	OM3	4	11.2	179
4.296.0.3.1.0503.0.0006	OM3	6	11.7	190
4.296.0.3.1.0503.0.0008	OM3	8	12.2	202
4.296.0.3.1.0503.0.0012	OM3	12	12.9	214
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.296.0.3.1.0504.0.0002	OM4	2	10.8	170
4.296.0.3.1.0504.0.0004	OM4	4	11.2	179
4.296.0.3.1.0504.0.0006	OM4	6	11.7	190
4.296.0.3.1.0504.0.0008	OM4	8	12.2	202
4.296.0.3.1.0504.0.0012	OM4	12	12.9	214