

INDOOR/OUTDOOR DROP CABLE - KT Sheath

CENTRAL TUBE DROP FIBRE-OPTIC CABLES



DESCRIPTION AND APPLICATION

Indoor/Outdoor drop cable with up to 8 fibres, totally dielectric, constituted by a single loose tube. Flame-retardant and halogen free sheath, KT type. Can be installed on overhead lines, stapled on façade walls or pulled inside from the point of junction with the outside plant cables to the building or subscriber RIT.

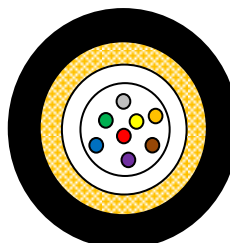
CONSTRUCTION

1. A single loose tube with up to 8 optical fibres in a central PBT tube filled with thixotropic compound. Colour code according to table 1.
2. Optical fibres.
3. Aramid yarns as traction-resistant reinforcement.
4. Black, UV resistant and fire retardant thermoplastic, low smoke emission and halogen free.

Markings:

CABLESCOM / Year / Number of fibres / Type of fibre / Type of sheath / Length markings

Other sheath marks available upon request



OPTICAL FIBRE CHARACTERISTICS

The parameters of the optical fibres are compliant with the ITU-T G.652 D recommendation. See our fibre product sheet for the characteristics of the fibre

Optical transmission characteristics of cabled fibre:

Attenuation coefficient:

Average / maximum at 1310 nm: 0.36 / 0.37 dB/km

Average / maximum at 1550 nm: 0.22 / 0.24 dB/km

PMD individual ≤ 0.05 ps/km^{1/2}

OPTICAL FIBRE COLOUR CODE

Fibre Colour Abbrev.	1	2	3	4	5	6	7	8
	Green	Red	Blue	Yellow	Grey	Violet	Brown	Orange
	Gr	Rd	Bl	Ye	Gy	Vi	Br	Or

PRODUCT INFORMATION

CODE	Fibre Num.	Nominal OD (mm)	Nominal Weight (kg/km)
EE6312L0000080WN	8	7.0	48.5

Mechanical characteristics	Standard	Test conditions
Tensile strength ($\Delta\epsilon_f \leq 0.33\%$; $\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E1A	1250 N
Crush resistance ($\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E3	1200 N; 10 cm
Curvature ($\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met. E11	R = 15 x cable OD; 5 turns; 3 cycles
Torsion ($\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E7	50 N; ± 1 turn/cycle; 10 cycles
Impact resistance ($\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E4	5 J; r = 10 mm
Repeated bending ($\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E6	100 N; r = 15 x cable OD; r ≥ 250 mm; 100 cycles
Temperature cycling (operation, $\Delta\alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. F1	-5°C / +60°C
Flame propagation	UNE-EN 60332-1	
Smoke density	UNE-EN 61034-2	Transmittance > 60 %



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Certified Company ISO 9001 – ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

