

INDOOR/OUTDOOR DROP CABLE - KT Sheath

CENTRAL TUBE DROP FIBRE-OPTIC CABLES



DESCRIPTION AND APPLICATION

Indoor/Outdoor drop cable with up to 24 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.

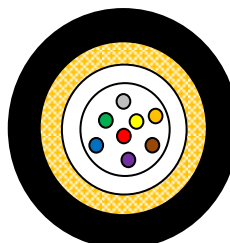
CONSTRUCTION

1. A single loose tube with up to 24 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 ProductCode 2019 ORANGE ROMANIA G657A2 FF - LLLL

Other sheath marks available upon request



OPTICAL FIBRE CHARACTERISTICS

The parameters of the optical fibres are compliant with the ITU-T G.657A2 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 $\leq 0,1$ ps/km^{1/2}

OPTICAL FIBRE COLOUR CODE

Fiber Color Abrev.	1	2	3	4	5	6	7	8	9	10	11	12
	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Rose	Turquoise
	Bl	Or	Gr	Br	Gy	Wh	Rd	Bk	Ye	Vi	Rs	Tu

(*): fibres 13-24 will be ring-marked in black with 50mm. span between marks. Fibre 20 will be Natural coloured.

PRODUCT INFORMATION

CODE	Fibre Num.	Nominal OD (mm)	Nominal Weight (kg/km)
EE63D2L0000WW0DN	2-24	7.1	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 $\geq$ 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 %
CPR Class		Dca s2 d2 a1

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.

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Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE63D2L_CT_KT_ORO_i

EDITION
1

PREPARED/REVISED
RG

DATE
2019-10-03