

INDOOR /OUTDOOR OPTICAL MONOTUBE DROP CABLE



Optical fibre



Dielectric



Flexible cable



UV resistant



Flame retardant



Low smoke emission



Zero halogen



ROHS compliant

STANDARDS

Telefónica ERQ.pe.01.0012 EN 50265-1 EN 50268-1 EN 50267-2-1

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

- **Loose tube:** A single loose tube with up to 8 optical fibres in a central PBT tube filled with thixotropic compound. Colour coding according to table 1.
- **Reinforcement (K):** Aramid yarns as reinforcing tensile strength element.
- **Outer sheath (T):** Black, UV resistant and fire retardant thermoplastic, low smoke emission and halogen free.
- **Sheath marking :** The cable sheath will be marked with white ink at regular intervals with the following information :
 - *CCSA/ year / No. fibres / batch number /Singlemode fibre (MN) / sheath type / length markings*
 - *Other sheath marks available upon request*



TABLE 1: OPTICAL FIBERS COLOUR CODE

No. Fibre	Colour
1	Green
2	Red
3	Blue
4	Yellow
5	Grey
6	Violet
7	Brown
8	Orange

All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

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OPTICAL FIBRE CHARACTERISTICS

The parameters of the optical fibres are compliant with the ITU-T G.652D recommendation

See our 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 $\leq 0,50$ ps/km^{1/2}

MECHANICAL CHARACTERISTICS	Method	Test Conditions
Tensile strength ($\Delta\epsilon_{fibre} \leq 0,33\%$)	EN 187000, Met. 501	1250 N
Impact resistance ($\Delta\alpha < 0.05$ dB)	EN 187000, Met. 505	5 J, $r_{impact} = 10$ mm
Crush resistance ($\Delta\alpha < 0.05$ dB)	EN 187000, Met. 504	1200 N
Static bending ($\Delta\alpha < 0.05$ dB)	EN 187000, Met. 513	$r = 15 \times \varnothing$ cable
Temperature cycling	EN 187000, Met. 601	
Storage ($\Delta\alpha$ reversible)		-25°C / 70°C
Operation ($\Delta\alpha < 0.05$ dB)		-20°C / 60°C
Flame spread	EN 50265-1	
Corrosivity of the emitted gases	EN 50267-2-1	pH $\geq 4,3$; Conductance $< 10\mu\text{s}/\text{mm}$
Density of smoke	EN 50268-1	Light transmittance $> 60\%$

DIMENSIONS AND WEIGHT

Code	No. Fibres	Diameter (mm)	Weight (kg/km)
EE6312L00000802N	8	7,0	48,5

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