

INDOOR DROP CABLE - LSZH Sheath

DROP FIBRE-OPTIC CABLES

DESCRIPTION AND APPLICATION

Drop optical fibre cables with 1 or 2 single mode fibres for inside installations in FTTH systems. These cables have a G.657-A2 bend-optimized fibre that is compliant with the installed base of G.652D fibre for indoor applications, for bend radii down to 10 mm. It provides low macro-bend and micro-bend loss and seamless splicing.

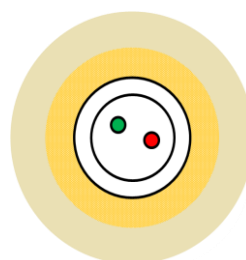
CONSTRUCTION

1. Central PBT loose tube filled with thixotropic compound and containing 1 or 2 single mode optical fibres according to ITU-T G.657 A2. Colour coding of fibres green and red.
2. Optical fibres.
3. Aramid yarns as traction-resistant reinforcement.
4. Ivory coloured LSZH compound.

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.657 A2 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 ≤ 0.15 ps/km^{1/2}

PMD link ≤ 0.10 ps/km^{1/2}

Cut-off wavelength (λ_{cc}) ≤ 1260 nm



PRODUCT INFORMATION

CODE	Fibre Num.	Diameter (mm)	Nominal Weight (kg/km)
EE6202L0000010WN	1	4.2	17
EE6202L0000020WN	2	4.2	17

Mechanical characteristics	Standard	Test conditions
Tensile strength ($\Delta E_f \leq 0.33\%$; $\Delta \alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met.E1A	450 N
Crush resistance ($\Delta \alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met. E3	800 N
Curvature ($\Delta \alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met.E11	R = 5 x cable OD
Impact resistance ($\Delta \alpha \leq 0.05$ dB)	UNE-EN 60794-1-2, Met E4	2J/ radius 300 mm
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	

Fibre colour code: Green – Red. Other colours under request.

Tube colour code: White. Other colours under request.

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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