

# INDOOR/OUTDOOR DROP CABLE - FvT Sheath

## TIGHT BUFFER FIBRE OPTIC CABLE



### DESCRIPTION AND APPLICATION

Outdoor drop cable which contains 1 single-mode optical fibre, totally dielectric, for aerial or FTTH installation. The fiber is bend-optimized to be used inside buildings.

### CONSTRUCTION

1. Optical fibre: single-mode fibre according to ITU-T G.657 A2 with 900 µm tight buffer protection.
2. Additional fiber protection: single PBT loose tube, jelly filled.
3. Strength elements: aramid and fiberglass yarns as traction resistance element.
4. Sheath: Black LSZH jacket, UV stable.

Markings:

CABLESCOM / year / FO Number / Type of fibre / Type of sheath / Length markings

### 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:**

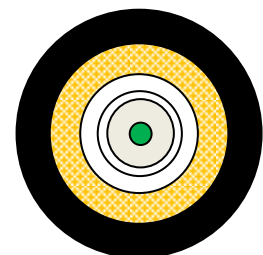
Attenuation coefficient:

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

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

PMD link  $\leq 0.10$  ps/km<sup>1/2</sup>

Cut-off wavelength ( $\lambda_{cc}$ )  $\leq 1260$  nm



### PRODUCT INFORMATION

Code	Fibres Num.	Diameter (mm)	Nominal weight (kg/km)
EE6603H0000010WN	1	5.1	28

Mechanical characteristics	Standard	Test conditions
Minimum Tensile strength ( $\Delta\epsilon \leq 0,6\%$ )	UNE-EN 60794-1-2, Met.E1	1200 N
Crush resistance ( $\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met.E3	800 N
Impact resistance ( $\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met.E4	2 J, r = 300 mm
Bending ( $\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met.E11	R = 5 x Ø cable
Operating temperatura ( $\Delta\alpha < 0.05$ dB/km)	UNE-EN 60794-1-2, Met.F1	-25°C / +70°C
Flame propagation	UNE-EN 60332-1	
Smoke density	UNE-EN 61034-2	Transmittance > 50 %

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.

#### Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

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