

INDOOR RISER - FvP Sheath

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES

DESCRIPTION AND APPLICATION

Indoor ultra-compact optical-fibre cables with polyethylene sheath and fibre glass reinforcements. These cables are designed for installations in buildings canalizations.

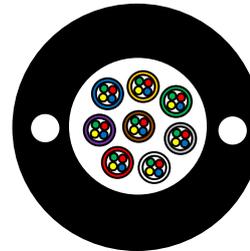
This optical fibre cable constituted by micromodules with small OD that facilitate their installation in canalization buildings.

CONSTRUCTION

1. Micromodules with optical fibres with thixotropic compound and containing single mode optical fibers. Colour code according to Tables 1 and 2.
2. Fibreglass reinforcements.
3. Outer polyethylene black coloured sheath.

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.652D 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 ≤ 0.20 ps/km^{1/2}

PMD link ≤ 0.10 ps/km^{1/2}

Cut-off wavelength (λ_{cc}) ≤ 1260 nm

PRODUCT INFORMATION

Code	Fibres Num.	FO/Micromodule	Micromodule Num.	Diameter (mm)	Nominal weight (kg/km)
EE5483F0000240WN	24	4	6	6.2	27
EE5483F0000480WN	48	4	12	7.8	39
EE5483F0000960WN	96	8	12	7.8	45

Mechanical characteristics	Standard	Test conditions
Tensile strength ($\Delta E_f \leq 0.33$ %)	UNE-EN 60794-1-2, Met.E1	1500 N
Crush resistance ($\Delta \alpha < 0.1$ dB)	UNE-EN 60794-1-2, Met.E3	50 N/cm
Impact resistance ($\Delta \alpha < 0.1$ dB)	UNE-EN 60794-1-2, Met.E4	1 J, r = 300 mm
Curvature ($\Delta \alpha \leq 0.1$ dB)	UNE-EN 60794-1-2, Met.E11	R = 15 x \varnothing cable, 5 cycles, 3 turns
Temperature cycling (operation, $\Delta \alpha \leq 0.05$ dB/km)	UNE-EN 60794-1-2, Met.F1	-20°C / +60°C
Water penetration	UNE-EN 60794-1-2, Met. F5C	3 m (8 hours)

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_EE5483F_i

EDITION
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APPROVED BY
RG

DATE
2018-05-08