

INDOOR RISER - KT Sheath

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES

DESCRIPTION AND APPLICATION

Indoor ultra-compact optical-fibre cables with LSZH sheath and aramid yarns for traction resistant. These cables are designed for installations in buildings canalizations.

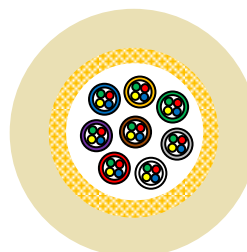
16 to 48 optical fibre cable constituted by micromodules with small OD that facilitate their installation in canalization buildings.

CONSTRUCTION

1. Micromodules with 4 or 8 optical fibres with thixotropic compound and containing single mode optical fibers. Colour code according to Tables 1 and 2.
2. Aramid yarns for tensile reinforcement.
3. Outer thermoplastic ivory coloured LSZH material 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.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	Fibres Num.	FO/Micromodule	Micromodule Num.	Diameter (mm)	Nominal weight (kg/km)
EE6402L0000160WN	16	4	4	7.6	45
EE6402L0000240WN	24	4	6	7.6	45
EE6402L0000320WN	32	4	8	7.6	47
EE6402L0000480WN	48	8	6	7.6	49

Mechanical characteristics	Standard	Test conditions
Tensile strength	UNE-EN 60794-1-2, Met.E1	1000 N
Crush resistance ($\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met.E3	1500 N
Impact resistance ($\Delta\alpha < 0.05$ dB)	UNE-EN 60794-1-2, Met.E4	5 J, r = 300 mm
Curvature ($\Delta\alpha \leq 0.1$ dB)	UNE-EN 60794-1-2, Met.E11	R = 10 x $\varnothing$ cable
Temperature cycling ($\Delta\alpha$ operation ≤ 0.1 dB/km)	UNE-EN 60794-1-2, Met.F1	-5°C / +60°C
CPR class	EN 50575	Dca - s1a, d1, a1

OPTICAL FIBRE AND MICROMODULE COLOUR CODE

Micromodule Colour Abbrev.	1	2	3	4	5	6	7	8
	Green	Red	Blue	White	Grey	Violet	Brown	Orange
	Gr	Rd	Bl	Wh	Gy	Vi	Br	Or

Fibre Colour Abbrev.	1	2	3	4	5	6	7	8
	Green	Red	Blue	Yellow	Grey	Violet	Brown	Orange
	Gr	Rd	Bl	Ye	Gy	Vi	Br	Or

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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