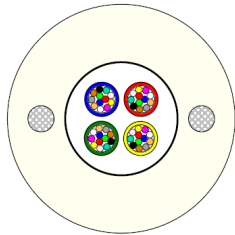


Riser Indoor optical cable for access networks, designed for 6m easy midspan access

Cable Design

Based on FT/RD/WTC/13/02/97 v3.0



- not to scale -

- **Micro-module:** Thin wall tubing (FlexTube®), filled with a suitable compound, housing the optical fibres.
- **Assembly of the micro-modules**
- **Strength members:** glass fibre reinforced plastic material, embedded in the outer sheath.
- **Outer Sheath:** LSZH-FR material. Longitudinal markers in order to position the cable opening window.

This cable is designed for indoor installation on cable tray, in corridors or shafts. Possibility of removing 6m of a module for mid span connexion at the floor without necessity to dispose of an over-length of cable. The fully dry Flextube® design provides easier storage & faster installation. Finger access to the fibres: no specific tools to open the Flextube®.

Technical data

No. of Fibres		16	24	32	48
Design		2 x 8	3 x 8	4 x 8	4 x 12
Optical module Ø	mm	1.2			1.3
Cable Diameter	mm	8.7			
Cable Weight	kg / km	75			
Minimum Bending Radius	mm	Without Tension 110			
Temperature Range	°C	Installation -5 -> +45	Transport & Storage -40 -> +70	Operation -5 -> +70	

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Test Standard	Specified Value	Acceptance Criteria*
Maximum Tension	IEC 60794-1-2-E1	50 daN	$\Delta\alpha$ reversible, fibre strain $\leq 0.5\%$
Crush	IEC 60794-1-2-E3	15 daN / cm 20 daN / cm	$\Delta\alpha \leq 0.1$ dB, no damage $\Delta\alpha$ reversible
Impact	IEC 60794-1-2-E4	3 Nm (20°C & -5°C)	$\Delta\alpha$ reversible, no damage
Torsion	IEC 60794-1-2-E7	55N, 1m, +/-180°, 10 cycles	$\Delta\alpha \leq 0.1$ dB, no damage
Cable kink	IEC 60794-1-2-E10	R=55mm (20°C & -5°C)	No kink, no damage
Cable bend	IEC 60794-1-2-E11B	R=110mm	$\Delta\alpha \leq 0.1$ dB, no damage
Temperature range	IEC 60794-1-2-F1	-5°C to +60°C -40°C to +70°C	$\Delta\alpha \leq 0.1$ dB/km $\Delta\alpha$ reversible
Fire performance	EN 60332-1-2 NFC 32070-C2		EN 60332-1-2 NFC 32070-C2

* values for single mode fibres, all optical measurements performed at 1550 nm.

Optical Characteristics

According to FT/RD/RESA/06/06/45 Ed4, SD5

Identification

Fibre Colours

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	red	blue	green	yellow	violet	brown	orange	grey	white	black	aqua	pink

Flextube Colours

No.	1	2	3	4
Colour	red	blue	green	yellow

Sheath Colour:

The outer sheath colour is white.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

**ORANGE DRAKA <ww>-<yyyy> L1094-3 M<no. of fibres/module>
<no. of fibres> FO G657A2 OHC FRC <cable ID> <length marking in meter>**

Logistic

Packing:

Wooden drums with protection.

Delivery Length:

Standard delivery length is 4 km with a tolerance of -1% / +3%

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All sizes and values without tolerances are reference values. Specifications are for product as supplied by PrysmianGroup: any modification or alteration afterwards of product may give different result.

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