

INDOOR - LSZH Sheath

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES

DESCRIPTION AND APPLICATION

Indoor ultra-compact optical fibre cables with LSZH sheath and fibreglass reinforcements. Designed for indoor use and for all types of communication networks.

CONSTRUCTION

1. Micromodules: Easy strippable tube with 12 fibres.
2. Water-blocking yarns and/or tapes.
3. Fibreglass reinforcement elements embedded in the outer sheath.
4. Outer thermoplastic LSZH material sheath (Black coloured).

Markings:

G48-9 QXAI Micromodule Sort YEAR Manufacturing Batch CABLESCOM meter marking

MICROMODULE COLOUR CODE

Cable	1	2	3	4
48	Red	White	Green	Yellow



FIBRE COLOURS

Fibre	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Turquoise	Pink

PRODUCT INFORMATION

MODULARITY 12 FO / TUBE	
FIBRE Num.	48
MODULE Num.	4
NOMINAL WEIGHT (kg/km)	74
NOMINAL OD (mm)	8.3
Maximum Installation Tension - (N) UNE-EN 60794-1-2, Met. E1	1150 $\Delta\epsilon_f < 0.5\%$, $\Delta\alpha$ reversible
Maximum Operation Tension - (N) UNE-EN 60794-1-2, Met. E1	450 $\Delta\epsilon_f < 0.2\%$, $\Delta\alpha < 0.05$ dB
IMPACT RESISTANCE UNE-EN 60794-1-2, Met. E4	5 J, 300 mm, T ^a 20 °C, $\Delta\alpha$ reversible
CURVATURE UNE-EN 60794-1-2, Met. 11	D= 20 x Cable OD, 10 cycles, $\Delta\alpha < 0.1$ dB
CRUSH RESISTANCE UNE-EN 60794-1-2, Met. E3	1000 N, 1 min, $\Delta\alpha$ reversible
OPERATING TEMPERATURE UNE-EN 60794-1-2, Met. F1	-20°C / 60°C
WATER PENETRATION UNE-EN 60794-1-2, Met. F5C	LP _{water} ≤ 3 m (24 hours) (Cable core)
PRODUCT CODE G.652D	EE830K1000048G0N

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Certified Company ISO 9001 – ISO 14001

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.

TITLE	EDITION	APPROVED BY	DATE
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