

OUTDOOR – P Sheath

STANDARD DUCT MICROMODULE FIBRE-OPTIC CABLES

DESCRIPTION AND APPLICATION

Outdoor ultra-compact fibre optic cables with polyethylene sheath and fibre glass reinforcements. Designed to be installed in duct by blowing or pulling. These cables are designed for all types of communications 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. High density polyethylene outer sheath.

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

Colour code scheme: See below – Colour code Table.

Optical fibre characteristics: See Annexes – Optical fibre characteristics.



TABLE 1: MICROMODULE COLOUR CODE

Tube												
Mod12	1	2	3	4	5	6	7	8	9	10	11	12
12	Red	Blue										

TABLE 2: FIBRE COLOUR CODE

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	
FIBRES Num.	24
MODULE Num.	2
NOMINAL WEIGHT (kg/km)	60
NOMINAL OD (mm)	9.0
PRODUCT CODE G.657A2	EE860F1000012Z0N
MAX. INST. TENSILE STRENGTH (N) EN 60794-1-2, Met. E1	630 $\Delta\epsilon_f < 0.5\%$, $\Delta\alpha$ reversible
MAX. OP. TENSILE STRENGTH (N) EN 60794-1-2, Met. E1	250 $\Delta\epsilon_f < 0.2\%$, $\Delta\alpha < 0.05$ dB
IMPACT RESISTANCE EN 60794-1-2, Met. E4	10 J, 300 mm, T ^a 20 °C, $\Delta\alpha$ reversible
CURVATURE EN 60794-1-2, Met. 11	D=20 x Ø cable, 10 cycles, $\Delta\alpha < 0.1$ dB
CRUSH RESISTANCE EN 60794-1-2, Met. E3	1500 N, 1 min, $\Delta\alpha$ reversible
OPERATING TEMPERATURE EN 60794-1-2, Met. F1	-30°C / 60°C
WATER PENETRATION EN 60794-1-2, Met. F5C	LP water ≤ 3 m (24 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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TITLE
HP_EE860F1000024ZWN_i

EDITION
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APPROVED BY
RG

DATE
2019-05-16