

OUTDOOR – FvP 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 up to 1,8 x Weight. These cables are designed for all types of communications networks.

CONSTRUCTION

1. Micromodules: Easy strippable tube with 6 or 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 Annexes – Colour code Table.

Optical fibre characteristics: See Annexes – Optical fibre characteristics.



PRODUCT INFORMATION

MODULARITY 6 FO / TUBE

FIBRES Num.	6	12	18	24	36	48	72	96	144
MODULE Num.	1	2	3	4	6	8	12	16	24
NOMINAL WEIGHT (kg/km)	28	38	39	43	54	57	79	93	120
NOMINAL OD (mm)	6.0	7.5			9.0		10.5	11.8	14.0
MAX. INST. TENSILE STRENGTH (N) EN 60794-1-2, Met. E1	630	650		1200		1250	1750		2150
	Δεf<0.5%, Δα reversible, up to 1.8 x cable weight								
MAX. OP. TENSILE STRENGTH (N) EN 60794-1-2, Met. E1	250			490		510	700		750
	Δεf<0.2%, Δα < 0.05 dB								
IMPACT RESISTANCE EN 60794-1-2, Met. E4	10 J, 300 mm, T ^a -15 y 20 °C, Δα reversible								
CURVATURE EN 60794-1-2, Met. 11	D=20 x Ø cable, 10 cycles, Δα<0.1 dB								
CRUSH RESISTANCE EN 60794-1-2, Met. E3	1500 N, 1 min, Δα reversible								
OPERATING TEMPERATURE EN 60794-1-2, Met. F1	-20°C / 60°C								
WATER PENETRATION EN 60794-1-2, Met. F5C	LPwater ≤ 3 m (24 hours)								

MODULARITY 12 FO / TUBE

FIBRES Num.	12	24	36	48	72	96	120	144	192	216	288	432	576	720	864	
MODULE Num.	1	2	3	4	6	8	10	12	16	18	24	3*(12*12)	4*(12*12)	5*(12*12)	6*(12*12)	
NOMINAL WEIGHT (kg/km)	28	39	41	54	55	68	72	91	113	128	152	200	237	275	313	
NOMINAL OD (mm)	6.0	7.5		9.0		10.5		11.8		14.0		15.6	18.0	20.0	22.0	24.0
MAX. INST. TENSILE STRENGTH (N) EN 60794-1-2, E1	630		1200		1270		1750		2800		2940	4550	5000	5370	6050	
	Δεf<0.5%, Δα reversible, up to 1.8 x cable weight															
MAX. OP. TENSILE STRENGTH (N) EN 60794-1-2, E1	250		450		500		700		1100		1800	2000	2150		2400	
	Δεf<0.2%, Δα < 0.05 dB															
IMPACT RESISTANCE EN 60794-1-2, E4	10 J, 300 mm, T ^a -15 y 20 °C, Δα reversible															
CURVATURE EN 60794-1-2, E11	D=20 x Ø cable, 10 cycles, Δα<0.1 dB															
CRUSH RESISTANCE EN 60794-1-2, E3	1500 N, 1 min, Δα reversible															
OPERATING TEMPERATURE EN 60794-1-2, F1	-20°C / 60°C															
WATER PENETRATION EN 60794-1-2, F5C	LPwater ≤ 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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