

OUTDOOR BLOWN MICRO-CABLE 7/4

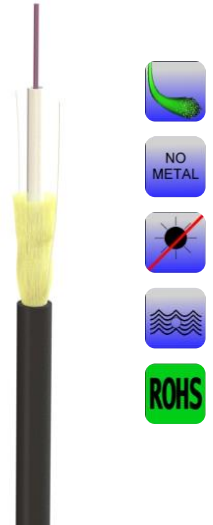
A-D(ZN)2Y (HT) 7/4

DESCRIPTION AND APPLICATION

Micro optic-fibre cables designed to be rapidly installed by blowing in micro-ducts De/Di 7/4 mm. Cables used for medium or long distance telecommunications networks and designed with single mode type ITU-T G652D or G657A1 of 200µm.

CONSTRUCTION

- Optical Fibre: Optical fibre according to ITU-T G652D or G657A1 (200 µm).
- Central loose tubes: PBT loose tube filled with thixotropic compound.
- Reinforcement elements: Water-blocking aramid yarns.
- Outer sheath: Black HDPE, UV resistant outer jacket.
- Sheath marking:
CABLESCOM - Num of fibres – Fibre type – Year/Month - Batch Number – Length Marks



OPTICAL FIBRE AND LOOSE TUBE COLOUR CODE

Fibre 1	Fibre 2	Fibre 3	Fibre 4	Fibre 5	Fibre 6	Fibre 7	Fibre 8	Fibre 9	Fibre 10	Fibre 11	Fibre 12
red	green	blue	yellow	white	grey	brown	violet	aqua	black	orange	pink
Fibre 13	Fibre 14	Fibre 15	Fibre 16	Fibre 17	Fibre 18	Fibre 19	Fibre 20	Fibre 21	Fibre 22	Fibre 23	Fibre 24
red I	green I	blue I	yellow I	white I	grey I	brown I	violet I	aqua I	natural I	orange I	pink I

Fibres from 13 to 24 will be marked with one black ring

PRODUCT INFORMATION

CABLES FIBRES		4	6	12	24
Nominal OD (mm) (±0.2mm)		2.5	2.5	2.8	2.8
Nominal weight (kg/km) (±20%)		5.5	5.5	8.0	8.0
Fibre type		G652D/G657A1		G657A1 200 µm	
MAX. TENSILE STRENGTH (N)	UNE-EN 60794-1-2, Met. E1	100			
		$\Delta\epsilon f \leq 0,6\%$, $\Delta\alpha \leq 0,05$ dB/km after test			
IMPACT RESISTANCE	UNE-EN 60794-1-2, Met. E4	1 J, 300 mm			
		$\Delta\alpha$ reversible ($\Delta\alpha \leq 0,05$ dB/km after test)			
CRUSH RESISTANCE	UNE-EN 60794-1-2, Met. E3	300 N/10 cm; 1 min; 3 positions (500mm apart)			
		$\Delta\alpha$ reversible ($\Delta\alpha \leq 0,1$ dB/km after test)			
REPEATED BENDING	UNE-EN 60794-1-2, Met. E6	25 Cycles: 20 x Ø cable			
		$\Delta\alpha$ reversible ($\Delta\alpha \leq 0,05$ dB/km after test)			
TORSION	UNE-EN 60794-1-2, Met. E7	2m cable ; 5 cycles ; ±180°			
		$\Delta\alpha$ reversible ($\Delta\alpha \leq 0,05$ dB/km after test)			
BENDING	UNE-EN 60794-1-2, Met. 11	Ø =10 x Ø cable; 4 turns; 3 cycles			
		$\Delta\alpha$ reversible ($\Delta\alpha \leq 0,05$ dB/km after test)			
TEMPERATURE CYCLING	UNE-EN 60794-1-2, Met. F1	-20 °C / 70 °C; $\Delta\alpha < 0.1$ dB/km			
WATER PENETRATION	UNE-EN 60794-1-2, Met. F5C	LP _{water} ≤ 3 m (24 hours); No leakage			

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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
HP_A-D(ZN)2Y_7/4_i

EDITION
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APPROVED BY
OSZ

DATE
2021-04-10