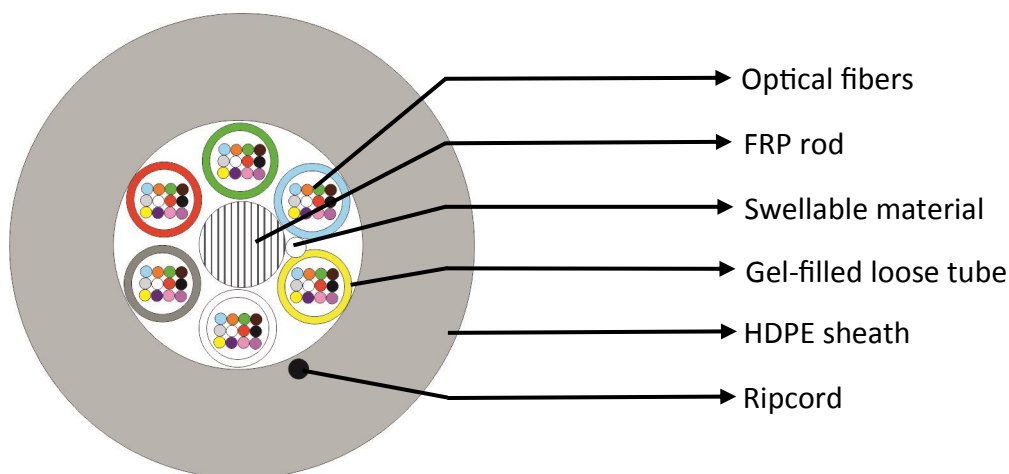


Product Information

AF06: Outdoor optical fibre cable, gel-filled with dry core, A-DQ(ZN)2Y, equivalent of Z-XOTKtsd. 6-144 optical fibres; loose-tube structure, 6,12 fibres per tube of \varnothing 1.8 mm; outer sheath: black HDPE, resistant to UV radiation, for pulling and blowing.

No. Card PI_1023F1XY.Z_01.16



Application

Outdoor use. For building broadband telecommunications networks, CATV and city surveillance systems.

Standards

- EN18700
- IEC60794-3, PNEN 60794-3
- PN EN 60793-1-1
- IEC 60794-1-2
- 60794-3-10
- IEC60794-3-12
- ISO 11801 2-nd edition
- PN EN 50173-1
- PN EN 41003
- ITUT G.652D

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Construction

Central strength member	\varnothing 1.8 - 3.5 mm - dielectric FRP rod
Loose tube	\varnothing 1.8 mm filled with thixotropic gel, 6, 12 fibers per tube
Water resistance	Cable core filled with water swellable nonwoven material
Cord for slitting the	Ripcord - polyester cord for easy sheath slitting
Cable sheath	Nominal thickness - 1.0 mm black HDPE

Mechanical parameters

Property	Testing methodology	Value
Maximum tensile strength	E1	1500N
Crush resistance	E3	2000N/dm
Impact	E4	20 Nm
Torsion	E7	$\pm 180^\circ$
Temperate ranges	F1	Operation: -40°C +70°C
		Installation: -10°C +55°C
		Storage: -40°C +70°C
Minimum bend radius		Short-term: 15 x D
		Long-term: 20 x D
Color tubes and fibers*	Color	RE GR BL YE WH GR BRA VIO TUR BI OR PI

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Transmission parameters

Parameter	
Fibre type	G.652D (OS2)
Attenuation for 1310 nm wave	≤ 0.35 dB/km
Attenuation for 1550 nm wave	≤ 0.22 dB/km
Attenuation for 1383 nm (± 3 nm) wave	≤ 0.35 dB/km
Attenuation for 1625 nm wave	≤ 0.25 dB/km
Cut-off wavelength	≤ 1260 nm
Chromatic dispersion 1285 – 1330 nm	≤ 3.5 ps/nm/km
Chromatic dispersion 1550 nm	≤ 18 ps/nm/km
Cladding diameter	125.0 ± 0.7 μ m
Coating diameter, uncoloured	245.0 ± 5 μ m

Number of fibres (number of fibres per tube)	Cable nominal diameter	Cable nominal weight
6J (1x6)	8,5 mm	50 kg
12J (1x12)	8,5 mm	50 kg
24J (2x12)	8,5 mm	50 kg
36J (3x12)	8,5 mm	50 kg
48J (4x12)	8,5 mm	50 kg
72J (6x12)	8,5 mm	50 kg
96J (8x12)	9,5 mm	65 kg
144J (12x12)	11,5 mm	110 kg

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Performance/Variants

Index	Number of fibres	Product description
1023F135.1	6J (1x6)	Cable FO BKT A-DQ(ZN)2Y 6E 9/125 1X6E 9/125 1500N AF06a
10261625.1	12J (1x12)	Cable FO BKT A-DQ(ZN)2Y 12E 9/125 1X12E 9/125 1500N AF06a
1023F185.2	24J (2x12)	Cable FO BKT A-DQ(ZN)2Y 24E 9/125 2X12E 9/125 1500N AF06a
1023F1A5.3	36J (3x12)	Cable FO BKT A-DQ(ZN)2Y 36E 9/125 3X12E 9/125 1500N AF06a
1023F1B5.4	48J (4x12)	Cable FO BKT A-DQ(ZN)2Y 48E 9/125 4X12E 9/125 1500N AF06a
1023F1G5.6	72J (6x12)	Cable FO BKT A-DQ(ZN)2Y 72E 9/125 6X12E 9/125 1500N AF06a
1023F1H5.8	96J (8x12)	Cable FO BKT A-DQ(ZN)2Y 96E 9/125 8X12E 9/125 1500N AF06a
1023F1J5.12	144J (12x12)	Cable FO BKT A-DQ(ZN)2Y 144E 9/125 12X12E 9/125 1500N AF06a