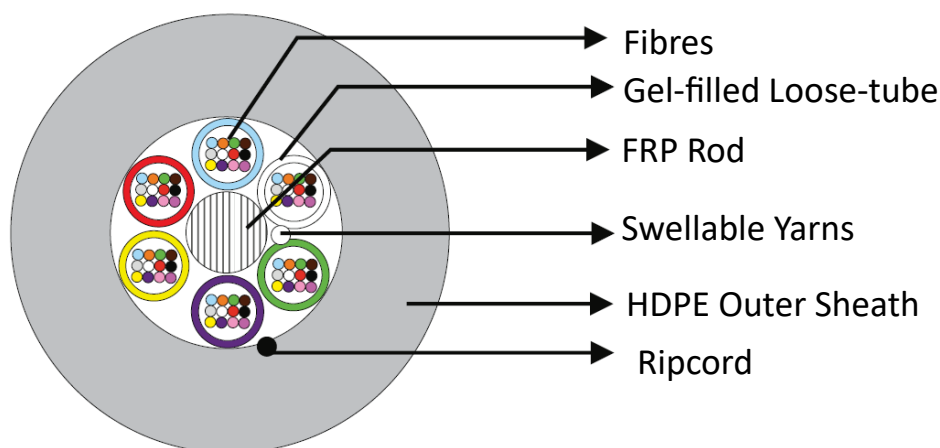


Product Information

AF11: Outdoor microcable, gel-filled, dry core, MC A-DQ(ZN)2Y 750N; 6 ÷ 144 single mode optical fibres; multi tube structure; 6, 12, 24 fibres per tube $\varnothing$ 1.5 ÷ 2.2 mm in outer diameter; Outer sheath: black HDPE resistant to UV radiation; to be installed in microduct system using Air-Blown technique.

No. Card: PI_102661X5.Y_01.17



Application

Outdoor use for microduct systems; all-dielectric. Designed to be used in vast telecommunication networks, FTTH access networks, CATV and city surveillance systems.

Standards

EN 187 000
IEC 60794-3, PN EN 60794-3
PN EN 60793-1-1
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2-nd edition
PN EN 50173-1
PN EN 41003
ITUT G.652D

Construction

Central strength member	$\varnothing$ 1.5 ÷ 2.5 mm - dielectric FRP rod
Loose tube	$\varnothing$ 1.5 ÷ 2.2 mm gel-filled; 6, 12, 24 fibres per tube
Water resistance	Cable core protected with water swellable yarns
Ripcord	Polyester cord for easy sheath stripping
Cable sheath	Thickness: 0.5 mm; black HDPE

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Mechanical Parameters

Property	Value												
Maximum tensile strength	750N												
Crush resistance	750N/10cm												
Temperature range	Operation: -40°C ÷ +70°C												
	Installation: -10°C ÷ +50°C												
	Storage: -40°C ÷ +70°C												
Minimum bend radius	Short term: 20 x D												
	Long term: 15 x D												
Fibers color coding*	Color:	RE	GR	BL	YE	WH	GR	BR	VIO	TUR	BL	OR	PI
		RE	GR	BL	YE	WH	GR	BR	VIO	TUR	BL	OR	PI
	Fibers 13 ÷ 24 with black ring every 50 mm												
Tbes color coding*	Color:	RE	GR	BL	YE	WH	GR	BR	VIO	TUR	BL	OR	PI

Number of fibres (per tube)	Nominal cable diameter	Nominal cable weight	Outer Diameter Tube	Outer Diameter FRP Rod	Dedicated Inner Diameter of a Microtube (mm)
6J (1x6)	5.3 mm	20 kg/km	1.45 mm	1.5 mm	minimum 8 mm
12J (1x12)	5.3 mm	20 kg/km	1.45 mm	1.5 mm	minimum 8 mm
24J (2x12)	5.3 mm	22 kg/km	1.45 mm	1.5 mm	minimum 8 mm
48J (4x12)	5.3 mm	22 kg/km	1.45 mm	1.5 mm	minimum 8 mm
72J (6x12)	5.3 mm	24 kg/km	1.45 mm	1.5 mm	minimum 8 mm
96J (8x12)	6.3 mm	35 kg/km	1.55 mm	2.4 mm	minimum 10 mm
144J (6x24)	7.98mm	50 kg/km	2.10 mm	2.2 mm	minimum 10 mm

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Transmission parameters

Parameter	
Fibre type	G.652D (OS2)
Attenuation @ 1310 nm wave	≤ 0.35 dB/km
Attenuation @ 1550 nm wave	≤ 0.22 dB/km
Attenuation @ 1383 nm (± 3 nm) wave	≤ 0.35 dB/km
Attenuation @ 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
Chromatic dispersion 1625 nm	≤ 22 ps/nm/km
Fibre cladding diameter	125.0 ± 0.7 μ m
Sheath diameter, colourless	245.0 ± 5 μ m
Mode field diameter @ 1310 nm	9.2 ± 0.4 μ m
Mode field diameter @ 1550 nm	10.4 ± 0.5 μ m

Performance/Variants

Index	No of Fibers	Product Description
10266135.1	6J (1x6)	FO microcable BKT MC A-DQ(ZN)2Y 6E 9/125 1X6E 9/125 750N AF11
10266165.1	12J (1x12)	FO microcable BKT MC A-DQ(ZN)2Y 12E 9/125 1X12E 9/125 750N AF11
10266185.2	24J (2x12)	FO microcable BKT MC A-DQ(ZN)2Y 24E 9/125 2X12E 9/125 750N AF11
102661B5.4	48J (4x12)	FO microcable BKT MC A-DQ(ZN)2Y 48E 9/125 4X12E 9/125 750N AF11
102661G5.6	72J (6x12)	FO microcable BKT MC A-DQ(ZN)2Y 72E 9/125 6X12E 9/125 750N AF11
102661H5.8	96J (8x12)	FO microcable BKT MC A-DQ(ZN)2Y 96E 9/125 8X12E 9/125 750N AF11
102661J5.6	144J (6x24)	FO microcable BKT MC A-DQ(ZN)2Y 144E 9/125 6X24E 9/125 750N AF11