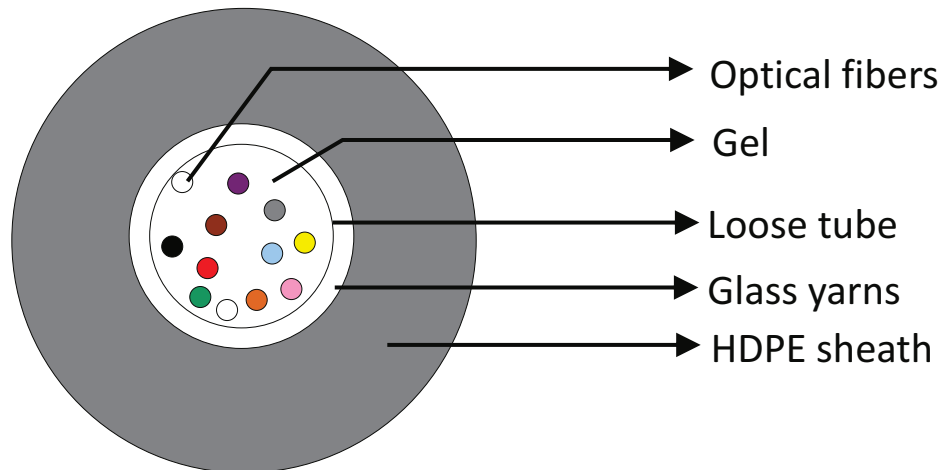


Product Information

AE08: Outdoor cable, central tube, gel filled A-DQ(ZN)B2Y PE 1.5 kN, the equivalent of Z-XOTKtcdD, 2-24 single-mode fibers. Outer sheath: black HDPE, UV - resistant.

The cable is suitable for pulling, blowing and laying directly in the ground. Glass yarns strengthen the construction and provide protection against rodents.

PI_102301X5.1_01.15



Application

Outdoor use for micro duct systems.
For building vast telecommunications,
cable television and city surveillance networks.
Access lines.

Standards

EN 187 000
ISO 11801 2-nd edition
PN EN 50173-1; 2002
PN EN 60793-1-1; 2008
PN EN 60793-2; 2012
PN EN 60794-1-2; 2014
PN EN 60794-3; 2002
PN EN 60794-3-10; 2009
PN EN 60794-3-12; 2013
PN EN 41003; 2012
ITU T G 652D

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Construction

Loose tube	Central tube with \varnothing 2.8-3,5 mm diameter, thixotropic gel, from 2 -24 fibers.												
Colour sequence	<table border="1"> <tr> <td>RE</td> <td>GR</td> <td>BL</td> <td>YE</td> <td>WH</td> <td>GR</td> <td>BRA</td> <td>VIO</td> <td>TUR</td> <td>BI</td> <td>OR</td> <td>PI</td> </tr> </table> <p>Fibers 13-24 additionally marked with black stripes every 50 mm</p>	RE	GR	BL	YE	WH	GR	BRA	VIO	TUR	BI	OR	PI
RE	GR	BL	YE	WH	GR	BRA	VIO	TUR	BI	OR	PI		
Reinforcement	Glass yarns												
Zapora przeciw gryzoniom	Glass yarns												
Sheath	1.0 mm black, HDPE, UV- resistance												

Mechanical Parameters

Property	Testing methodology	Value
Outer diameter		2÷12 fibres: 6.0 mm, 24 fibres: 6.5 mm
Weight		2 ÷12 fibres: 30 kg/km, 24 fibres: 45 kg/km
Tensile strength (dynamic)	E1	1500 N
Tensile strength (static)	E1	1000 N
Crush resistance		1000 N/dm
Impact	E1	5 Nm (no attenuation; no broken cable elements)
Torsion	E7	$\pm 360^\circ$
Minimum bending radius (dynamic)	E10	20 x D
Minimum bending radius (static)	E11	15 x D
Temperature range	F1	Storage: -40°C +70°C Installation: -10°C ÷ +55°C Operation: -40°C ÷ +70°C
Water penetration		Resistant to longitudinal water penetration

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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
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

Ordering Information

Index	Number of fibers	Product description	Type of fibre
10230115.1	2	Cable FO A-DQ(ZN)B2Y 2E 9/125 PE 1500N AE08	OS2 singlemode G652.D
10230125.1	4	Cable FO A-DQ(ZN)B2Y 4E 9/125 PE 1500N AE08	OS2 singlemode G652.D
10230145.1	8	Cable FO A-DQ(ZN)B2Y 8E 9/125 PE 1500N AE08	OS2 singlemode G652.D
10230165.1	12	Cable FO A-DQ(ZN)B2Y 12E 9/125 PE 1500N AE08	OS2 singlemode G652.D
10230185.1	24	Cable FO A-DQ(ZN)B2Y 24E 9/125 PE 1500N AE08	OS2 singlemode G652.D