

GigaLine[®] A-DQ(ZN)2Y(SR)2Y

Outdoor cable, corrugated steel tape, stranded, 4000 N

4 x 12 E9/125/250 OS2 G652.D/G657.A1



Illustration similar

Description

Exterior fiber-optic cable with stranded loose tube, longitudinally and transversally watertight, with a corrugated steel tape sheath

Properties / applications

Outdoor cable with metallic rodent protection for fixed installation, layable directly in the ground.

Suitable for campus/ backbone cabling and for the use in generic cabling acc. to ISO/IEC 11801 and EN 50173. Ideally suited for all applications of Classes OF 300 to OF 10000 (depending on the fiber).

Laying

Outdoors, pulling in or air blown installation into pipes and directly into the ground (sand bed). For automated cable pulling with cable winches the use of tensile-force-recording equipment is obligatory., Laying underwater in low water depths with a low flow velocities permitted.

Construction

Fiber colours	IEC 60304: Fiber 1-12: Red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink. Fiber 13-24: Red, green, blue, yellow, white, grey, brown, violet, turquoise, transparent, orange, pinke, each with black ring marking, except transparent.
Tube type	Stranded filled loose tube
Core colours	1st tube red, 2nd white, others yellow (9/125)
Strain relief (in total)	Non metallic, glass rovings
Outer sheath	Polyethylene, UV resistant
Colour	Jet black
Cable marking	KERPEN DATACOM GmbH GigaLine \$n x m\$ \$Fasertyp \$ \$Bildz.Fernsprecher\$ \$2xWechselstromsymbol \$ \$Trommelnr.\$ \$m-sign.\$

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Optical characteristics

Category	OS2 G652.D/G657.A1
Fiber type	E9/125/250
Dispersion	@ 1310 nm max. 3.5 ps/(nm x km) @ 1550 nm max. 18 ps/(nm x km)
Attenuation	@ 1310 nm max. 0.36 dB/km @ 1383 nm max. 0.36 dB/km @ 1550 nm max. 0.22 dB/km @ 1625 nm max. 0.22 dB/km

Mechanical characteristics (cable)

Bending radius (static) (min.)	15x outer-Ø
Bending radius (dynamic) (min.)	20x outer-Ø
Max. strain relief	4000 N
Crush resistance (short term)	5000 N/100mm
Crush resistance (long term)	3000 N/100mm

Thermal characteristics (cable)

Temperature (transport / storage)	-40 °C up to +70 °C
Temperature during installation	-10 °C up to +50 °C
Temperature after installation	-40 °C up to +60 °C

Standards, certificates and approvals

Fibre standard	ISO/IEC 11801 OS2 ITU-T G652.D ITU-T G657.A1 IEC 60793-2 B1.3
Cabling standard	EN 50173, ISO/IEC 11801
Fire class	-
Halogen-free	IEC 60754-1
Long. watertightn.	IEC 60794-1-2 F5
Chemical continuance	Good resistance to oil, petrol, acid and leach, Conform to RoHS and REACH

Part number	Number of fibres	Fire load (approx.)	Outer Ø approx.	Weight
LKD8AC70A080000	4 x 12	9.72 MJ/m	16.7 mm	275 kg/km

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