

GigaLine[®] A-DQ(ZN)B2Y

Outdoor cable, central loose tube, 1750 N

1 x 4 G50/125/250 OM4



Illustration similar

Description

Fibre optic outdoor cable, central loose tube, longitudinally watertight, with non-metallic rodent protection.

Properties / applications

Outdoor cable with metall free 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.

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, pink, each with black ring marking, except transparent.
Tube type	Stranded filled loose tube
Core colours	green
Strain relief (in total)	Non metallic, glass rovings
Outer sheath	Polyethylene, UV resistant
Colour	Jet black
Cable marking	KERPEN DATACOM GmbH GigaLine A-DQ(ZN)B2Y 1x4 G50/125 OM4 bendable 1750 N \$2xWechselstromsymbol\$ \$Ba Nr.\$ \$M-SIGN\$

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Optical characteristics

Category	OM4
Fiber type	G50/125/250
Bandwidth	@ 850 nm 3500 MHz x km @ 1300nm 500 MHz x km
Laser bandwidth	@ 850 nm min. 4,700 MHz x km
Attenuation	@ 850 nm max. 2.5 dB/km @ 1300nm max. 0.7 dB/km

Mechanical characteristics (cable)

Bending radius (static) (min.)	15x outer-Ø
Bending radius (dynamic) (min.)	20x outer-Ø
Max. strain relief	1750 N
Crush resistance (short term)	3000 N/100mm
Crush resistance (long term)	1500 N/100mm

Thermal characteristics (cable)

Temperature (transport / storage)	-25 °C up to +70 °C
Temperature during installation	-5 °C up to +50 °C
Temperature after installation	-20 °C up to +60 °C

Standards, certificates and approvals

Fibre standard	ISO/IEC 11801 OM4 ITU-T G651 IEC 60793-2 A1a.3
Cabling standard	EN 50173, ISO/IEC 11801
Fire class	-
Halogen-free	IEC 60754-1
Long. watertightn.	IEC 60794-1-2 F5
Chemical continuance	Conform to RoHS and REACH

Part number	Number of fibres	Fire load (approx.)	Outer Ø approx.	Weight
LKD8AA700A20000	1 x 4	1.1 MJ/m	7 mm	42 kg/km

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