GigaLine® KL-A-DQ(ZN)B2Y -
Outdoor cable, stranded loose tube, 5000 N

2 x 12 E9/125/250 OS2 G657.A1





Illustration similar

Description

Exterior fiber-optic cable with stranded 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, 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	Non metallic, glass rovings
Outer sheath	Polyethylene, UV resistant
Colour	Black
Cable marking	KERPEN DATACOM GmbH GigaLine A-DQ(ZN)B2Y 5000N 2 X 12 E9/125 OS2 $2xWechselstromsymbol$ $TrommelNr.$ $m-sign.$

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Optical characteristics

Fiber type	E9/125/250
Category	OS2 G657.A1
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
Refractive index (nominal value)	@ 1310 nm 1.467 @ 1550 nm 1.467

Mechanical characteristics (cable)

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

Thermal characteristics (cable)

Transport / storage	-40 °C up to +70 °C
During installation	-10 °C up to +50 °C
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 60793-1 IEC 60793-2 B1.3
Cabling standard	EN 50173, ISO/IEC 11801
Fire class	-
Circuit integritiy	[-]
Halogen-free	IEC 60754-1
Long. watertightn.	IEC 60794-1-2 F5
Chemical continuance	Very good resistance to oil, petrol, acid and leach, Conform to RoHS and REACH

Part number	Number of fibres	Outer Ø approx.	Weight
KDFA0727C000000	24	11.2 mm	105 kg/km

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