GigaLine® KL-U-DQ(ZN)BH Dca

Universal cable, central loose tube, 3500 N

1 x 24 E9/125/250 OS2 G657.A1

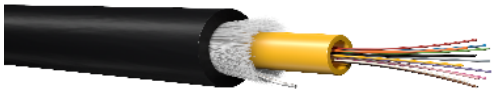




Illustration similar

Description

Fiber optic universal loose tube cable in longitudinally watertight design for indoor and outdoor installation. The cable construction is metal-free with a rodent protection made of glass rovings, which also serve as strain relief elements.

Properties / applications

Tough fiber optic universal cable with flame-retardant and UV-resistant outer sheath for fixed installation. The outer sheath material is suitable for direct laying in the ground in a sand bed.

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).Building entries without additional transition points (splices) possible. Especially suitable for mounting of distribution heads für pre-assembled trunks and for splicing technology.

Laying

Indoor and outdoor installation in dry conduits, on cable trays or directly in 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	Central filled loose tube
Core colours	yellow
Strain relief	Non metallic, glass rovings
Outer sheath	Halogen free flame retardant compound (FRNC), UV resistant
Colour	Jet black
Cable marking	KERPEN DATACOM GmbH GigaLine U-DQ(ZN)BH 1x24 E9/125 OS2 3500 N $2xWechselstromsymbol$ Dca s2 d2a1 DoP: CDESK0000038 $BA-Nr.$ $m-sign.$

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Optical characteristics

Category	OS2 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
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	3500 N
Crush resistance (short term)	3000 N/100mm
Crush resistance (long term)	1500 N/100mm

Thermal characteristics (cable)

Transport / storage	-25 °C up to +70 °C
During installation	-5 °C up to +50 °C
After installation	-25 °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	Dca -s2,d2,a1
DoP	CDESK0000038
Circuit integritiy	[-]
Flame retardancy	IEC 60332-1-2, IEC 60332-3-24 Cat. C
Halogen-free	IEC 60754-1
Acidity	IEC 60754-2
Smoke density	IEC 61034-2
Long. watertightn.	IEC 60794-1-2 F5
Conformity	to CPR (EU/305/2011)
Chemical continuance	Conform to RoHS and REACH

Part number	Number of fibres	Outer Ø approx.	Weight
KDFUD7ZDA200000	24	8.1 mm	69 kg/km

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