

GigaLine[®] U-DQ(ZN)BH - Eca

universal cable, stranded loose tube

G50/125 OM4 bend insensitive



Illustration similar

Description

Fibre optic universal cable, multi tube, longitudinally watertight, with non-metallic rodent protection.

Properties / applications

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

Laying

Indoor and outdoor installation in dry conduits, on covered 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

Product name	GigaLine [®] U-DQ(ZN)BH - Eca
Fibre quality	G50/125 2,50B3500/0,70F500-10GBE550 OM4 bendable
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	Stranded filled loose tube
Strain relief (over all)	Non metallic, glass rovings
Outer sheath material	Halogen free flame retardant compound, UV resistant
Outer sheath (colour)	Black

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Mechanical characteristics (cable)

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

Thermal characteristics (cable)

Temperature (transport / storage)	-40 °C up to +80 °C
Temperature during installation	-20 °C up to +60 °C
Temperature after installation	-40 °C up to +80 °C

Standards, certificates and approvals

Fibre standard	OM4 ITU-T 651 IEC 60793-2 A1a.3
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	Eca acc. to EN 50575 / 50399
DoP	CDESK0000037
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Smoke density	IEC 61034
Longitudinal watertightness	IEC 60794-1-2 F5
Cable standard	IEC 60794-2
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load	Outer diameter
LKD8UA71K110000	8 x 12	175,0 kg/km	2,2 MJ/m	13,1 mm