

GigaLine[®] U-DQ(ZN)BH - Dca

Universal cable, central loose tube

G50/125 OM5 bend insensitive

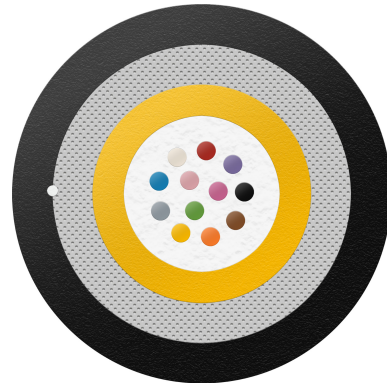
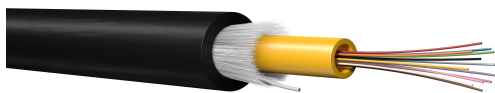


Illustration similar

Description

Fibre optic universal cable, central loose 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). 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 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 - Dca
Fibre quality	G50/125 2,50B3500/0,70F500-10GBE550 OM5
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	Central 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)	3000 (N/100mm)
Crush resistance (long term)	1500 (N/100mm)
Max. strain relief	3500 N

Thermal characteristics (cable)

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

Standards, certificates and approvals

Fibre standard	OM5 ITU-T 651.1 IEC 60793-2 A1a.4b
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	Dca s2 d2 a1 acc. to EN 50575 / 50399
DoP	CDESK0000038
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Acidity of the combustion gases	IEC 60754-2
Smoke density	IEC 61034-1/2
Oil resistance	IEC 60811-2-1 with test-oil IRM 902 (acc. to ISO 1817) at +70°C; 4 h; pulling rate 50 mm/min relative change of the elongation at break and tensile strength max. +/- 40 %
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
LKD8UA900M60000	1 x 12	65,0 kg/km	0,95 MJ/m	7,7 mm