

# GigaLine<sup>®</sup> U-DQ(ZN)BH - B2ca

## universal cable, stranded loose tube

G50/125 OM5 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. Not suitable for underground laying (direct buried).

For use in highly sensitive buildings with very high fire protection requirements such as escape routes in care and support facilities, hospitals, etc. Suitable for campus/ backbone cabling and for the use in generic cabling acc. to ISO/IEC 11801 and EN 50173. 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. For automated cable pulling with cable winches the use of tensile-force-recording equipment is obligatory.

### Construction

Product designation	GigaLine <sup>®</sup> U-DQ(ZN)BH - B2ca
Fibre quality	G50/125 2.50B3500.0/0.70F500-10GBE550 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, pinke, 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
Colour	Black

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### Mechanical characteristics (cable)

Bending radius (static) (min.)	15x outer-Ø
Bending radius (dynamic) (min.)	20x outer-Ø
Max. strain relief	5000 N
Crush resistance (short term)	5000 N/100mm

### Thermal characteristics (cable)

Temperature (transport / storage)	-40 °C up to +80 °C
Temperature during installation	-5 °C up to +60 °C
Temperature after installation	-40 °C up to +80 °C

### Standards, certificates and approvals

Fibre standard	OM5 ITU-T G651.1 IEC 60793-2 A1a.4b
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	B2ca s1a d1 a1
DoP	CDESK0000092
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Smoke density	IEC 61034
Cable standard	IEC 60794-2, IEC 60794-3
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load (approx.)	Outer Ø approx.
LKD8UA9BK130000	12 x 12	250 kg/km	4.6 MJ/m	16 mm