

# GigaLine<sup>®</sup> U-DQ(ZN)BH Eca

## universal cable, stranded loose tube, 5000 N

12 x 12 G50/125/250 OM5



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

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 green (50/125)
Strain relief (in total)	Non metallic, glass rovings
Outer sheath	Halogen free flame retardant compound (LS0H), UV resistant
Colour	Jet black
Cable marking	KERPEN DATACOM GmbH GigaLine U-DQ(ZN)BH 12 x12 G50/125 OM5 bendable 5000 N \$2xWechselstromsymbol\$ Eca DoP: CDESK0000037 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign.\$

# GigaLine<sup>®</sup> U-DQ(ZN)BH Eca

## universal cable, stranded loose tube, 5000 N

12 x 12 G50/125/250 OM5

### Optical characteristics

Category	OM5
Fiber type	G50/125/250
Bandwidth	@ 850 nm 3500 MHz x km @ 953 nm 1850 MHz x km @ 1300nm 500 MHz x km
Laser bandwidth	@ 850 nm min. 4,700 MHz x km @ 953 nm min. 2,470 MHz x km
Attenuation	@ 850 nm max. 2.5 dB/km @ 953 nm max. 1.8 dB/km @ 1300nm max. 0.7 dB/km

### 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
Crush resistance (long term)	3000 N/100mm

### 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	ISO/IEC 11801 OM5 ITU-T G651.1 IEC 60793-2 A1a.4b
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	Eca
DoP	CDESK0000037
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Halogen-free	IEC 60754-1
Smoke density	IEC 61034-1
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	Fire load (approx.)	Outer Ø approx.	Weight
LKD8UA91K130000	12 x 12	3.8 MJ/m	16 mm	240 kg/km

FELTEN Wire and Cable Solutions BV reserves the right to make changes to the product described in this specification without prior notice. FELTEN does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.