

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

## Universal cable, central loose tube

E9/125 OS2



Illustration similar

### Description

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

### Properties / applications

Universal cable for fixed installation.

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.

### 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 - Dca
Fibre quality	E9/125 0.36F3.0/0.22H18-SMF28 ultra OS2
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	Central 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	1750 N
Crush resistance (short term)	3000 N/100mm
Crush resistance (long term)	1500 N/100mm

### Thermal characteristics (cable)

Temperature (transport / storage)	-25 °C up to +70 °C
Temperature during installation	-5 °C up to +50 °C
Temperature after installation	-20 °C up to +60 °C

### Standards, certificates and approvals

Fibre standard	OS2 ITU-T G652.D IEC 60793-2 B1.3
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	Dca s2 d2 a1
DoP	CDESK0000084
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
Long. watertightn.	IEC 60794-1-2 F5
Cable standard	IEC 60794-2
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load (approx.)	Outer Ø approx.
LKD8UC300P90000	1 x 24	60 kg/km	0.79 MJ/m	7.5 mm

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#### FELTEN Wire & Cable Solutions BV

Habraken 2401  
5507 TM Veldhoven  
The Netherlands

www.feltenwcs.com  
email: sales@feltenwcs.com  
phone: +31(0)40-8200950

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