

GigaLine[®] U-D(ZN)BH CI 90 - Dca

Universal cable, with circuit integrity 90 min.

E9/125 OS2

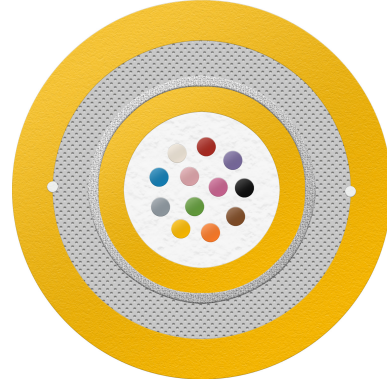
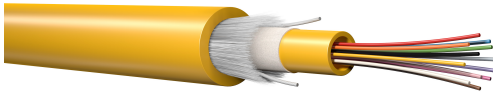


Illustration similar

Description

Fibre optic universal cable with central jelly filled loose tube, with non-metallic rodent protection and CI. Inner fire barrier. Fire protection tape made of woven glass. The cable is completely metal-free and non-conductive (dielectric).

Properties / applications

Universal cable with CI 90 min for fixed installation. Circuit integrity test acc. to IEC 60331-11 / IEC 60331-25 (750°C, 90 min)

max. change of attenuation 2.0 dB

(VDE test report 111100-9020-0001/11291)

Resistance to fire for use in emergency circuits test acc. to EN 50200:2015 (830 +40/ -0°C, 180 min)

max. change of attenuation

Single Mode

max. 1.0 dB at 1310 nm und 1550 nm

(VDE test reports:

5005019-9601-0001/249341-TL6-1

Date: 2018-07-20

5005019-9601-0001/257978-TL6-1

Date: 2019-12-20)

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.

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Construction

Product name	GigaLine® U-D(ZN)BH CI 90 - Dca
Fibre quality	E9/125 0,36F4/0,22H18-Low OH 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, 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
Outer sheath (colour)	Colza yellow

Mechanical characteristics (cable)

Bending radius (static)	15x outer diameter
Bending radius (dynamic)	20x outer diameter
Crush resistance (short term)	4500 (N/100mm)
Crush resistance (long term)	3000 (N/100mm)
Max. strain relief	2500 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	OS2 ITU-T 652.D + G657.A1 IEC 60793-2 B1.3
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	Dca s2 d2 a1 acc. to EN 50575 / 50399
DoP	CDESK0000082
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
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load	Outer diameter
LKD8UC700B90000	1 x 24	134,0 kg/km	1,28 MJ/m	10,8 mm