

GigaLine® U-DQ(ZN)H(SR)H CI 180 - Cca

Universal cable with resistance to fire 180 Min.

E9/125 OS2



Illustration similar

Description

Fibre optic universal cable with central jelly filled loose tube, longitudinally and transversally watertight, with corrugated steel tape sheath with CI.

Properties / applications

Universal cable for fixed installation. Longitudinally and transversely waterproof with highly effective rodent protection.

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 report:

5005019-9601-0001/260492- TL6-1, -3, -5, -6)

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.

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)H(SR)H CI 180 - Cca
Fibre quality	E9/125 0,36F3/0,22H18-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, 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

GigaLine[®] U-DQ(ZN)H(SR)H CI 180 - Cca

Universal cable with resistance to fire 180 Min.

E9/125 OS2

Mechanical characteristics (cable)

Bending radius (static)	15x outer diameter
Bending radius (dynamic)	20x outer diameter
Crush resistance (short term)	3500 (N/100mm)
Crush resistance (long term)	2500 (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	-20 °C up to +70 °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	Cca s2 d1 a1 acc. to EN 50575 / 50399
DoP	CDESK0000090
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
Cable standard	IEC 60794-2
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load	Outer diameter
LKD8UC3C1K20000	1 x 4	220,0 kg/km	2,8 MJ/m	12,5 mm