

GigaLine[®] I-B(ZN)BH B2ca

Indoor cable, central dry loose tube, 1500 N

1 x 8 G50/125/250 OM5



Illustration similar

Description

Fibre optic indoor cable, central dry tube, with non-metallic rodent protection.

Properties / applications

Indoor cable for fixed installation.

Suitable for data center 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

For indoor installation in conduits, tubes or on cable trays.

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	Central dry loose tube
Core colours	Transparent white
Strain relief (in total)	Non metallic, glass rovings
Outer sheath	Halogen free flame retardant compound (LS0H)
Colour	Lime green
Cable marking	KERPEN DATACOM GmbH GigaLine I-B(ZN)BH 1x8 G50/125 OM5 bendable 1500 N \$2xWechselstromsymbol \$ B2ca s1a d0 a1 DoP: CDESK0000087 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign. \$

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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	1500 N
Crush resistance (short term)	2000 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	-25 °C up to +60 °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	B2ca -s1a,d0,a1
DoP	CDESK0000087
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Halogen-free	IEC 60754-1
Acidity	IEC 60754-2
Smoke density	IEC 61034-1
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
LKD8IA9B0Q40000	1 x 8	0.62 MJ/m	6.5 mm	46 kg/km

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