

# GigaLine<sup>®</sup> I-B(ZN)BH B2ca

## Indoor cable, stranded dry loose tube, 3000 N

6 x 12 G50/125/250 OM4



Illustration similar

### Description

Fibre optic indoor cable, stranded 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	Stranded dry 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)
Colour	Heather violet
Cable marking	KERPEN DATACOM GmbH GigaLine I-B(ZN)BH \$Abmessung\$ \$Fasertyp \$ \$Adertyp\$ 3000 N \$2xWechselstromsymbol\$ B2ca s1a d1 a1 DoP: CDESK0000095 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign. \$

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### Optical characteristics

Category	OM4
Fiber type	G50/125/250
Bandwidth	@ 850 nm 3500 MHz x km @ 1300nm 500 MHz x km
Laser bandwidth	@ 850 nm min. 4,700 MHz x km
Attenuation	@ 850 nm max. 2.5 dB/km @ 1300nm max. 0.7 dB/km

### Mechanical characteristics (cable)

Bending radius (static) (min.)	10x outer-Ø
Bending radius (dynamic) (min.)	15x outer-Ø
Max. strain relief	3000 N
Crush resistance (long term)	1000 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	-10 °C up to +70 °C

### Standards, certificates and approvals

Fibre standard	ISO/IEC 11801 OM4 ITU-T G651 IEC 60793-2 A1a.3
Cabling standard	EN 50173 ISO/IEC 11801
Fire class	B2ca -s1a,d1,a1
DoP	CDESK0000095
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
LKD8IA7BQ100000	6 x 12	0.86 MJ/m	8.6 mm	80 kg/km

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