

# GigaLine<sup>®</sup> I-B(ZN)BH - B2ca

## Indoor cable, stranded dry loose tube

G50/125 OM4 bend insensitive

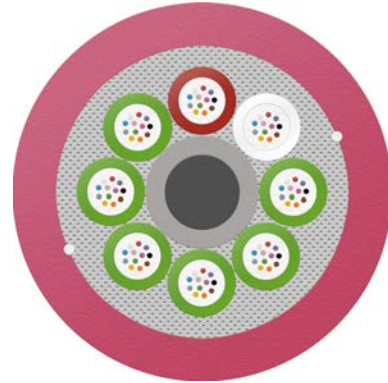


Illustration similar

### 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

Product designation	GigaLine <sup>®</sup> I-B(ZN)BH - B2ca
Fibre quality	G50/125 2.50B3500.0/0.70F500-10GBE550 OM4 bendable
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	Stranded dry loose tube
Strain relief (over all)	Non metallic, glass rovings
Outer sheath material	Halogen free flame retardant compound
Colour	Heather violet

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### 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	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
Cable bending	IEC 60794-1-2 E11A
Cable standard	IEC 60794-2
Compliance	to CPR (EU/305/2011)

Part number	Number of fibres	Weight	Fire load (approx.)	Outer Ø approx.
LKD8IA7BQ080000	4 x 12	75 kg/km	0.78 MJ/m	8.3 mm
LKD8IA7BQ100000	6 x 12	80 kg/km	0.86 MJ/m	8.6 mm
LKD8IA7BQ110000	8 x 12	105 kg/km	1.09 MJ/m	9.9 mm
LKD8IA7BQ130000	12 x 12	140 kg/km	1.57 MJ/m	11.4 mm

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Up-dating B: 31.08.2022  
Up-dating F: 30.09.2022