

GigaLine[®] I-B(ZN)BH B2ca

Indoor cable, central dry loose tube, 1500 N

1 x 24 E9/125/250 OS2 G652.D/G657.A1



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	Colza yellow
Cable marking	KERPEN DATACOM GmbH GigaLine I-B(ZN)BH 1 X 24 \$Fasertyp\$ OS2 1500 N \$2xWechselstromsymbol\$ B2ca s1a d0 a1 DoP: CDESK0000087 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign. \$

GigaLine[®] I-B(ZN)BH B2ca

Indoor cable, central dry loose tube, 1500 N

1 x 24 E9/125/250 OS2 G652.D/G657.A1

Optical characteristics

Category	OS2 G652.D/G657.A1
Fiber type	E9/125/250
Dispersion	@ 1310 nm max. 3.5 ps/(nm x km) @ 1550 nm max. 18 ps/(nm x km)
Attenuation	@ 1310 nm max. 0.36 dB/km @ 1383 nm max. 0.36 dB/km @ 1550 nm max. 0.22 dB/km @ 1625 nm max. 0.22 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 OS2 ITU-T G652.D ITU-T G657.A1 IEC 60793-2 B1.3
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
LKD8IC3B0Q90000	1 x 24	0.68 MJ/m	7 mm	51 kg/km

FELTEN Wire and Cable Solutions BV reserves the right to make changes to the product described in this specification without prior notice. FELTEN does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.

Forwarding to third parties only with the approval of KERPEN DATACOM GmbH
We reserve the right to make technical modifications: typographical errors and mistakes excepted.

FELTEN Wire & Cable Solutions BV

Habraken 2401
5507 TM Veldhoven
The Netherlands

www.feltenwcs.com
email: sales@feltenwcs.com
phone: +31(0)40-8200950

Number: LKD8IC3B0Q90000
Up-dating K: 12.12.2023
Up-dating F: 04.01.2024