

GigaLine[®] KL-I-F(ZN)H

Indoor cable for FTTH applications

2 x 1 E9/125/250 OS2 G657.A2/B2

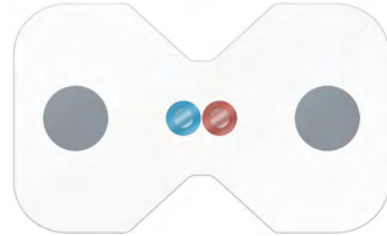
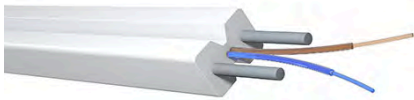


Illustration similar

Description

Fibre optic indoor cable with two fibres and two strain relief elements. Halogenfree flame retardant.

Properties / applications

For GPON / FTTH applications.

Laying

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

Construction

Tube type	Fiber
Strain relief (in total)	Non metallic, aramide
Outer sheath	Halogen free flame retardant compound (LS0H)
Colour	White
Cable marking	KERPEN DATACOM GmbH GigaLine I-F(ZN)H 2 \$Fasertyp \$ \$Adertyp\$ 80 N \$2x Wechselstromsymbol \$ \$BA-Nr.\$ \$Trommelnr.\$ \$M-SIGN\$

Optical characteristics

Category	OS2 G657.A2/B2
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
Bending radius single element	30 mm
Max. strain relief	100 N
Crush resistance (short term)	1000 N/100mm
Crush resistance (long term)	300 N/100mm

GigaLine[®] KL-I-F(ZN)H

Indoor cable for FTTH applications

2 x 1 E9/125/250 OS2 G657.A2/B2

Thermal characteristics (cable)

Temperature (transport / storage)	-20 °C up to +60 °C
Temperature during installation	-10 °C up to +60 °C
Temperature after installation	-20 °C up to +60 °C

Standards, certificates and approvals

Fibre standard	ISO/IEC 11801 OS2 ITU-T G657.A2 IEC 60793-2 B6 a2/b2
Cabling standard	EN 50173, ISO/IEC 11801
Flame retardancy	IEC 60332-1-2
Halogen-free	IEC 60754-1
Acidity	IEC 60754-2
Chemical continuance	Conform to RoHS and REACH

Part number	Number of fibres	Outer Ø approx.	Cable dimensions (W x H)	Weight
LKD8BC220050000	2 x 1	3 mm	2 x 3	9 kg/km

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 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.

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: LKD8BC220050000
Up-dating K: 16.01.2024
Up-dating F: 25.01.2024