

GigaLine[®] I-V(ZN)H Dca

Mini breakout indoor cable, STB900

4 x 1 G50/125/250 OM5

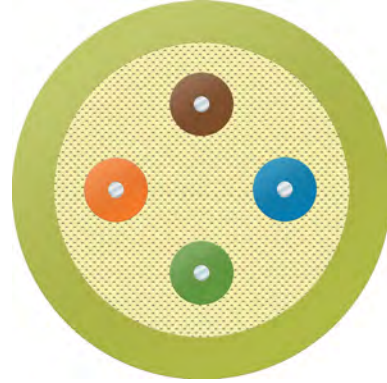


Illustration similar

Description

Fibre optic indoor cable, with buffered fibres, mini breakout. Colour code acc. to EIA/TIA 598C.

Properties / applications

Indoor cable for fixed installation.

Connecting cable and patch cord for generic cabling systems acc. to ISO/IEC 11801 and EN 50173. Ideal for all applications of Classes OF 300 to OF 2000. Suitable for direct connector mounting with adhesive technology. Not suitable for crimp connector assembly where the fixation takes place via the secondary coating.

Laying

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

Construction

Tube type	Semi tight buffer 0.9 mm
Single element Ø ca.	0.9 mm
Strain relief (in total)	Non metallic, aramide
Outer sheath	Halogen free flame retardant compound (LS0H)
Colour	Lime green
Cable marking	KERPEN DATACOM GmbH GigaLine I-V(ZN)H 4 x 1 \$Fasertyp\$ \$Adertyp\$ bendable \$2xWechselstromsymbol\$ Dca s2 d2 a2 DoP: CDESK0000083 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign. \$

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

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Mechanical characteristics (cable)

Bending radius (static) (min.)	10x outer-Ø
Bending radius (dynamic) (min.)	15x outer-Ø
Bending radius single element	30 mm
Max. strain relief	800 N
Crush resistance (short term)	1000 N/100mm
Crush resistance (long term)	500 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 OM5 ITU-T G651.1 IEC 60793-2 A1a.4b
Cabling standard	EN 50173, ISO/IEC 11801
Fire class	Dca -s2,d2,a2
DoP	CDESK0000083
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
Chemical continuance	Conform to RoHS and REACH

Part number	Number of fibres	Fire load (approx.)	Outer Ø approx.	Weight
LKD8MA900120000	4 x 1	0.47 MJ/m	5.6 mm	21 kg/km

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