

GigaLine[®] I-B(ZN)BH B2ca

Indoor cable, central dry loose tube, 1500 N

1 x 6 G50/125/250 OM5



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 | Lime green |
| Cable marking | KERPEN DATACOM GmbH GigaLine I-B(ZN)BH 1x6 G50/125 OM5 bendable 1500 N \$2xWechselstromsymbol \$ B2ca s1a d0 a1 DoP: CDESK0000087 \$BA-Nr.\$ \$Trommelnr.\$ \$m-sign. \$ |

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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 |

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 OM5 ITU-T G651.1 IEC 60793-2 A1a.4b |
| 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 |
|-----------------|------------------|---------------------|-----------------|----------|
| LKD8IA9B0Q30000 | 1 x 6 | 0.62 MJ/m | 6.5 mm | 46 kg/km |

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