

GigaLine[®] A-DQ(ZN)B2Y

Outdoor cable, stranded loose tube, 5000 N

12 x 12 G50/125/250 OM3



Illustration similar

Description

Exterior fiber-optic cable with stranded loose tube, longitudinally watertight, with non-metallic rodent protection.

Properties / applications

Outdoor cable with metall free rodent protection for fixed installation, layable directly in the ground.

Suitable for campus/ backbone 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).

Laying

Outdoors, pulling in or air blown installation into pipes and directly into the ground (sand bed). For automated cable pulling with cable winches the use of tensile-force-recording equipment is obligatory.

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 | Stranded filled loose tube |
| Core colours | 1st tube red, 2nd white, others green (50/125) |
| Strain relief (in total) | Non metallic, glass rovings |
| Outer sheath | Polyethylene, UV resistant |
| Colour | Jet black |
| Cable marking | KERPEN DATACOM GmbH GigaLine A-DQ(ZN)B2Y \$Abmessung\$ 5000N \$Fasertyp \$ \$2xWechselstromsymbol\$ \$TrommelNr.\$ \$m-sign.\$ |

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Optical characteristics

| | |
|-----------------|--|
| Category | OM3 |
| Fiber type | G50/125/250 |
| Bandwidth | @ 850 nm 1500 MHz x km @ 1300nm 500 MHz x km |
| Laser bandwidth | @ 850 nm min. 2,000 MHz x km |
| Attenuation | @ 850 nm max. 2.5 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 | 5000 N |
| Crush resistance (short term) | 5000 N/100mm |
| Crush resistance (long term) | 3000 N/100mm |

Thermal characteristics (cable)

| | |
|-----------------------------------|---------------------|
| Temperature (transport / storage) | -40 °C up to +70 °C |
| Temperature during installation | -10 °C up to +50 °C |
| Temperature after installation | -40 °C up to +60 °C |

Standards, certificates and approvals

| | |
|----------------------|---|
| Fibre standard | ISO/IEC 11801 OM3 ITU-T G651 IEC 60793-2 A1a.2 |
| Cabling standard | EN 50173, ISO/IEC 11801 |
| Fire class | - |
| Halogen-free | IEC 60754-1 |
| Long. watertightn. | IEC 60794-1-2 F5 |
| Chemical continuance | Good resistance to oil, petrol, acid and leach, Conform to RoHS and REACH |

| Part number | Number of fibres | Fire load (approx.) | Outer Ø approx. | Weight |
|-----------------|------------------|---------------------|-----------------|-----------|
| LKD8AA50K130000 | 12 x 12 | 4.9 MJ/m | 16 mm | 200 kg/km |

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