

GigaLine[®] U-DQ(ZN)BH Eca - PVP universal cable, central loose tube, 2500 N

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



Illustration similar

Description

Fibre optic universal cable, central loose tube, longitudinally watertight, with non-metallic rodent protection.

Properties / applications

Universal cable 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). Building entries without additional transition points (splices) possible.

Laying

Indoor and outdoor installation in dry conduits, on covered cable trays or directly in 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, pink, each with black ring marking, except transparent. |
| Tube type | Central filled loose tube |
| Core colours | yellow |
| Strain relief (in total) | Non metallic, glass rovings |
| Outer sheath | Halogen free flame retardant compound (LS0H), UV resistant |
| Colour | Jet black |
| Cable marking | KERPEN DATACOM GmbH GigaLine U-DQ(ZN)BH \$Abmessung\$ \$Fasertyp\$ 2500 N \$2xWechselstromsymbol\$ Eca DoP: CDESK0000088 \$BA-Nr.\$ \$m-sign.\$ |

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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 | 2500 N |
| Crush resistance (short term) | 3000 N/100mm |
| Crush resistance (long term) | 1500 N/100mm |

Thermal characteristics (cable)

| | |
|-----------------------------------|---------------------|
| Temperature (transport / storage) | -40 °C up to +70 °C |
| Temperature during installation | -5 °C up to +50 °C |
| Temperature after installation | -40 °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 | Eca |
| DoP | CDESK0000088 |
| Flame retardancy | IEC 60332-1-2 IEC 60332-3-22 Cat. A |
| Halogen-free | IEC 60754-1 |
| Smoke density | IEC 61034-1 |
| Long. watertightn. | IEC 60794-1-2 F5 |
| Conformity | to CPR (EU/305/2011) |
| Quality seal with production control | GHMT PVP - Level 2 |
| Chemical continuance | Conform to RoHS and REACH |

| Part number | Number of fibres | Fire load (approx.) | Outer Ø approx. | Weight |
|-----------------|------------------|---------------------|-----------------|----------|
| LKD8UC300T90000 | 1 x 24 | 1.26 MJ/m | 8.1 mm | 73 kg/km |

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