

# GigaLine<sup>®</sup> A-DQ(ZN)B2Y

## Outdoor cable, central loose tube, 1750 N

1 x 8 E9/125/250 OS2 G652.D/G657.A1



Illustration similar

### Description

Fibre optic outdoor cable, central 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             | yellow   |
| Strain relief (in total) | Non metallic, glass rovings  |
| Outer sheath             | Polyethylene, UV resistant   |
| Colour                   | Jet black  |
| Cable marking            | KERPEN DATACOM GmbH<br>GigaLine A-DQ(ZN)B2Y<br>1x8 E9/125 OS2 1750 N<br>\$2xWechselstromsymbol\$ \$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)<br>@ 1550 nm max. 18 ps/(nm x km)  |
| Attenuation | @ 1310 nm max. 0.36 dB/km<br>@ 1383 nm max. 0.36 dB/km<br>@ 1550 nm max. 0.22 dB/km<br>@ 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              | 1750 N       |
| Crush resistance (short term)   | 3000 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    | -20 °C up to +60 °C |

### Standards, certificates and approvals

|                      |  |
|----------------------|--|
| Fibre standard       | ISO/IEC 11801 OS2<br>ITU-T G652.D<br>ITU-T G657.A1<br>IEC 60793-2 B1.3 |
| Cabling standard     | EN 50173, ISO/IEC 11801  |
| Fire class           | -  |
| Halogen-free         | IEC 60754-1  |
| Long. watertightn.   | IEC 60794-1-2 F5   |
| Chemical continuance | Conform to RoHS and REACH  |

| Part number     | Number of fibres | Fire load (approx.) | Outer Ø approx. | Weight   |
|-----------------|------------------|---------------------|-----------------|----------|
| LKD8AC700A40000 | 1 x 8            | 1.1 MJ/m            | 7 mm            | 42 kg/km |

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