

# GigaLine<sup>®</sup> A-DQ(ZN)B2Y

## Outdoor cable, stranded loose tube, 5000 N

4 x 12 E9/125/250 OS2 G652.D/G657.A1



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 yellow (9/125)
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 5000N 4 X 12 E9/125 OS2 \$2xWechselstromsymbol\$ \$TrommelNr.\$ \$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	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 OS2 ITU-T G652.D ITU-T G657.A1 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	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
LKD8AC70K080000	4 x 12	2.4 MJ/m	11.2 mm	105 kg/km

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