

GigaLine[®] A-DQ(ZN)2Y(SR)2Y

Outdoor cable with corrugated steel tape

G50/125 OM3 bend insensitive



Illustration similar

Description

Exterior fiber-optic cable with central loose tube, longitudinally and transversally watertight, with a corrugated steel tape sheath

Properties / applications

Outdoor cable with metallic 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

Outdoor installation in dry conduits or directly in the ground (sand bed). For automated cable pulling with cable winches the use of tensile-force-recording equipment is obligatory.

Construction

Product name	GigaLine [®] A-DQ(ZN)2Y(SR)2Y
Fibre quality	G50/125 2,50B1500/0,70F500-10GBE300 OM3 bendable
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	Central filled loose tube
Strain relief (over all)	Non metallic, glass rovings
Outer sheath material	Polyethylene, UV resistant
Outer sheath (colour)	Black

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Mechanical characteristics (cable)

Bending radius (static)	15x outer diameter
Bending radius (dynamic)	20x outer diameter
Crush resistance (short term)	3500 (N/100mm)
Crush resistance (long term)	2500 (N/100mm)
Max. strain relief	2500 N

Standards, certificates and approvals

Fibre standard	OM3 ITU-T 651 IEC 60793-2 A1a.2
Cabling standard	EN 50173, ISO/IEC 11801
Halogen free	IEC 60754-1
Longitudinal watertightness	IEC 60794-1-2 F5
Chemical continuance	Good resistance to oil, petrol, acid and leach
Cable standard	IEC 60794-3, EN 187 105

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 +70 °C

Part number	Number of fibres	Weight	Fire load	Outer diameter
LKD8AA500460000	1 x 12	160,0 kg/km	1,8 MJ/m	12,5 mm