

GigaLine[®] A-DQ(ZN)B2Y

outdoor cable, central loose tube, 2500 N

1 x 12 E9/125/250 OS2 G.652.D+G.657.A1

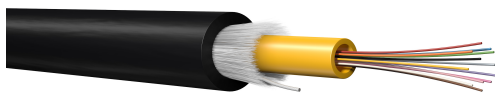
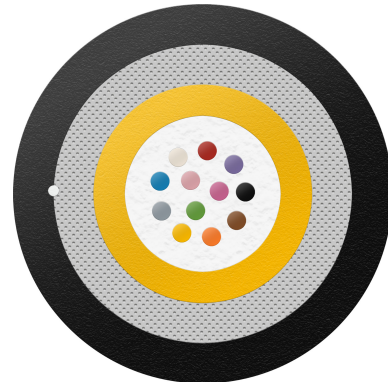


Illustration similar



Description

Fibre optic outdoor 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

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

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	Stranded filled loose tube
Strain relief (in total)	Non metallic, glass rovings
Outer sheath material	Polyethylene, UV resistant
Colour	Jet black

Optical characteristics

Category	OS2 G.652.D+G.657.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

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Mechanical characteristics (cable)

Bending radius (static) (min.)	10x outer-Ø
Bending radius (dynamic) (min.)	15x 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 +75 °C
Temperature during installation	-5 °C up to +50 °C
Temperature after installation	-40 °C up to +75 °C

Standards, certificates and approvals

Fibre standard	ISO/IEC 11801 OS2 ITU-T G652.D + G657.A1 IEC 60793-2 B1.3
Cabling standard	EN 50173 ISO/IEC 11801
Halogen-free	IEC 60754-1
Long. watertightn.	IEC 60794-1-2 F5
Quality seal with production control	GHMT PVP - Level 2
Chemical continuance	Good resistance to oil, petrol, acid and leach

Part number	Number of fibres	Fire load (approx.)	Outer Ø approx.	Weight
LKD8AC300T60000	1 x 12	1.2 MJ/m	7.7 mm	53 kg/km