

DATASHEET

FO 1x12 9/125 SM OS2 7,6 mm DNV

Item no.: 2050



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Description

Universal optical fiber central loose tube (jelly filled) cable with glass yarns as strength member and low smoke zero halogen outer jacket. This cable has standard rodent protection by glass yarns.

Applications

For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and/or tubes. The cable has DNV approval for marine and offshore applications.

Construction

Construction type	Central loose tube (CLT)
Fiber type	Singlemode OS2 G.652D & G.657A1
Fiber count	12
Fiber color coding	Blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua
Subunit	1 tube gel filled
Subunit Ø	3,3 mm
Fiber core diameter	9 µm
Strength member	Glass yarns waterblocking
Type of armor	Non-armored
Jacket	LSZH halogen-free, flame retardant (black)
Outer diameter	7,6 mm

Optical characteristics

Max. attenuation	1310 nm: 0,39 dB/km 1550 nm: 0,24 dB/km 1625 nm: 0,29 dB/km
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Technical data

Weight	70 kg/km
Temperature range	Installation: -5 °C to +50 °C Operation: -30 °C to +70 °C
Min. bend radius	Short term: 152 mm Long term: 76 mm
Max. tensile strength	Short term: 760 N (171 lbf) Long term: 500 N (112 lbf)
Max. crush resistance	Short term: 15 kN/m Long term: 7,5 kN/m
Approvals	DNV
Standards	IEC 60794-1-21, IEC 60794-3-10, IEC 60332-1-2/22, IEC 60754-1/2, IEC 61034-2, ISO/IEC 11801-1
REACH	Compliant
EU Directive 2011/65/EU (RoHS 2)	Compliant
UV / Sunlight protection	Yes