

Micro- Bundle Cable with Watertight glass yarns - Up to 12fibres

LANmark-OF Drop Cable 2x Singlemode 9/125 OS2 LSZH Cca s1ad0a1 Yellow

Contact

LAN Systems (Nexans Cabling Solutions)
sales.uk@nexans.com

Nexans ref.: N164.090-YC

DESCRIPTION

Description and Application

This reinforced drop cable is ideally used for indoor/outdoor deployments integrating the new generation of G657 fibres. This compact cable allows low bending radius and can be installed in indoor and outdoor environment. This cable is totally adapted to fire performance conditions with the highest level in the European regulation: Cca CPR level. Its outersheath is in LSZH material (Low Smoke, Zero Halogen) which reduces the smoke creation and does not generate toxic hologen fumes when burning. This cable operates over a large temperature range.

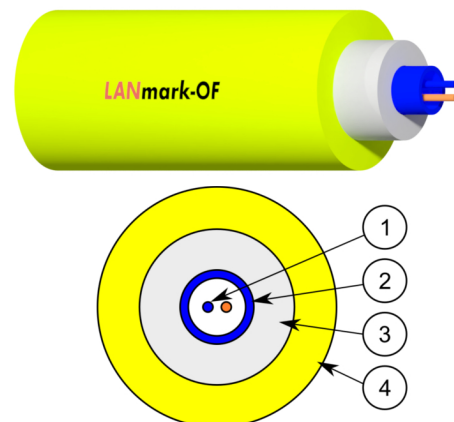
Construction

Legend accompanying the cross section drawing:

1. Optical fiber 250µm
2. Micro Bundle
3. Reinforcing watertight glass yarns
4. LSZH jacket

Characteristics

- Reaction to fire Cca-s1,d0,a1 according to EN50575:2014+A1:2016
- Easy strippable Micro Bundle containing 2 fibres
- Low Bending radius
- All dielectric design
- Watertight structure
- Flame non propagation (IEC 60332-1)
- Fire non propagation (IEC 60332-3)



LANmark-OF

STANDARDS

International ISO/IEC 11801



Halogen free
IEC 60754-1



Mechanical
resistance to
impacts
10 impacts of 3
N.m



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3



Smoke density
IEC 61034-2



Gases toxicity
IEC 60754-1



U.V resistance
Very good



Water proof
Longitudinal &
radial

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CHARACTERISTICS

Construction characteristics

Construction type	Unibundle
Material used for longitudinal water tightness	Watertight glass yarns
Additional strength member	Glass yarn
Outer sheath	LSZH
Halogen free	IEC 60754-1
Metal free	Yes
Fiber optic type	SM (G657.A1)

Dimensional characteristics

Number of optical fibres	2
Approximate weight	21 kg/km
Nominal outer diameter	4.1 mm

Mechanical characteristics

Maximum installation tension	750 N
Maximum permanent tensile load	0.2 kN
Crush resistance (IEC 60794-1-E3)	200 N/cm
Mechanical resistance to impacts	10 impacts of 3 N.m

Usage characteristics

Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Smoke density	IEC 61034-2
Gases toxicity	IEC 60754-1
U.V resistance	Very good
Water proof	Longitudinal & radial
Installation type	Indoor/Outdoor
Installation temperature, range	0 .. 40 °C
Storage temperature, range	-40 .. 60 °C
Operating temperature, range	-30 .. 60 °C
Minimum static operating bending radius	15 mm
Laying operation bending radius	15 mm