LANmark-OF Loose Tube Universal 6 -12 and 24FO - Cca

LANMARK-OF LOOSE TUBE UNIVERSAL 12XSINGLEMODE 9/125 OS2 LSZH CCA YELLOW

Aginode Ref: N164.LTUN12-YC

- Loose Tube Universal optical fibre cable with High Level of transmission : OS2
- High fire behavior : reaction to fire Cca according to EN50575:2014+A1:2016
- Indoor/Outdoor cable
- Designed for splicing with pigtails



STANDARDS

ISO/IEC 11801

The new 12FO OS2 Loose Tube technology from Aginode is specifically engineered for indoor building & outdoor where installations where both high performance and fire safety are essential. Designed with a loose tube construction, it offers good protection for fibers against mechanical stresses and environmental factors.

- **CPR (Cca, s2, d1, a1)**: Low fire propagation, reduced smoke emission, minimal toxic gas release.
- **Loose Tube Gel-Filled Design**: Excellent protection against mechanical stress, water ingress, and temperature variations.
- **Vertical installations with loop reserve** for simplified maintenance and future upgrades.
- **Indoor & Outdoor Application:** Ideal for structured cabling in residential, commercial, and public buildings, as well as outdoor environments.
- **High Performance OS2**: Reliable, high-speed data transmission over long distances.
- **Flexible and Robust**: Easy to install in ducts, conduits, and technical spaces.
- **UV-Resistant & Waterproof**: Designed to withstand outdoor conditions when required.

The central tube contains 12 fibers well identified to make installation easy and simple.

Applications :

- Building backbone networks
- Data centers
- Outdoor duct installations

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

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Characteristics

Construction characteristics	
Construction type	Loose Tube
Fiber optic type	SM (G657.A1)
Halogen free	IEC 60754-1
Jacket material	LSZH Halogen free flame retardant
Material used for longitudinal water tightness	Swellable Glass yarns
Dimensional characteristics	
Approximate weight	71 kg/km
Nominal outer diameter (mm)	7.6 mm
Number of optical fibres	12
Number of tubes	1
Tube diameter	2.3 mm
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	1500 N/100mm
Maximum pulling force (IEC 60794-1-2-E1)	2000 N
Tensile strength	2000 N
Usage characteristics	
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1-2
Gases corrosivity	IEC 60754-2
Installation temperature, range	-30...60 °C
Minimum dynamic operating bending radius	152 mm
Minimum static operating bending radius	114 mm
Operating temperature, range	-40...70 °C
Smoke density	IEC 61034-2
Storage temperature, range	-40...70 °C

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U.V resistance	Very good

DoP: Declaration of Performance

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