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

LANMARK-OF LOOSE TUBE UNIVERSAL 24XSINGLEMODE 9/125 OS2 LSZH DCA YELLOW



Aginode Ref: N164.LTUN24-YD

- Loose Tube Universal optical fibre cable with high level transmission : OS2
- Good fire behavior : reaction to fire Dca according to EN50575:2014+A1:2016
- Indoor/Outdoor cable
- Designed for splicing with pigtails

The new 24FO OS2 Loose Tube technology from Aginode is specifically engineered for both indoor and outdoor installations where high performance and fire safety are essential. Designed with a loose tube construction, it offers reliable protection for fibers against mechanical stresses and environmental factors

- **CPR (Dca–s2, d1, a1)**: Low fire propagation, reduced smoke emission, minimal toxic gas release.
- **Loose Tube Construction**: Excellent fiber protection against mechanical stress and temperature variations.
- **Indoor & Outdoor Applications:** 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.

The central tube contains till 24 fibers well identified to make installation easy and simple.

Applications :

- Building backbone networks
- Data centers
- Outdoor installations

STANDARDS

ISO/IEC 11801

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

구조적 특성	
구조	루즈 튜브
Fiber optic type	SM (G657.A1)
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	Swellable Glass yarns
Metal free	Yes
Tube Filling Compound Material	Thixotropic Gel
치수	
Approximate net weight	70 kg/km
Nominal outer diameter (mm)	7.2 mm
Number of optical fibres	24
Number of tubes	1
Tube diameter	3.8 mm
기계적 특성	
Crush resistance (IEC 60794-1-E3)	2000 N/100mm
Maximum installation tension	2000 N
Maximum permanent tensile load	0.7 kN
Maximum pulling force (IEC 60794-1-2-E1)	2000 N
Mechanical resistance to impacts	10 impacts of 3 N.m
사용 특성	
Fire retardant	IEC 60332-3
난연	IEC 60332-1-2
Installation temperature, range	-30...60 °C
Minimum dynamic operating bending radius	160 mm
Minimum static operating bending radius	120 mm
操作温度范围	-40...70 °C

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연기밀도	IEC 61034-2
Storage temperature, range	-40...70 °C
U.V resistance	Very good

DoP: Declaration of Performance

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