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.

STANDARDS

ISO/IEC 11801

Applications :

- Building backbone networks
- Data centers
- Outdoor 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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Eigenschaften

Konstruktionsmerkmale	
Leitungsaufbau	Loose Tube
Fasertyp	SM (G657.A1)
Halogenfrei	IEC 60754-1
Verwendetes Material für Längswasserdichtigkeit	Swellable Glass yarns
Metallfrei	Yes
Tube Filling Compound Material	Thixotropic Gel
Abmessungsmerkmale	
Nettogewicht, ca	70 kg/km
Außendurchmesser, nom.	7.2 mm
Anzahl der optischen Fasern	24
Anzahl der Bündel	1
Rohrdurchmesser	3.8 mm
Mechanische Eigenschaften	
Crush resistance (IEC 60794-1-E3)	2000 N/100mm
Maximale Zugspannung bei Installation	2000 N
Maximalzulässige Dauerzuglast	0.7 kN
Max. Zugkraft (IEC 60794-1-2-E1)	2000 N
Mechanische Festigkeit gegen Schläge	10 impacts of 3 N.m
Anwendungsmerkmale	
flammwidrig	IEC 60332-3
Flammwidrig	IEC 60332-1-2
Umgebungstemperatur, Bereich	-30...60 °C
Dynamischer Mindestbiegeradius während Anwendung	160 mm
Mindestbiegeradius bei statischem Einsatz	120 mm
Betriebstemperatur	-40...70 °C

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Rauchdichte	IEC 61034-2
Lagertemperatur, Bereich	-40...70 °C
UV Beständigkeit	Very good

DoP: Declaration of Performance

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