LANmark-OF Loose Tube Universal 48 - 72 - 96 & 144FO - Cca

LANMARK-OF LOOSE TUBE UNIVERSAL 48XSINGLEMODE 9/125 OS2 LSZH CCA YELLOW

Aginode Ref: N164.LTUN48-YC

- Loose Tube Universal optical fibre cable with high-level transmission: OS2
- High fire performance: Reaction to fire Cca according to EN50575:2014+A1:2016
- Indoor/Outdoor cable
- Designed for splicing with pigtails



STANDARDS

ISO/IEC 11801

The new **48FO OS2 Loose Tube technology** from Aginode is specifically engineered for indoor buildings & outdoor where installations require both high performance and fire safety. Designed with a loose tube construction, it offers excellent protection for fibers against mechanical stresses and environmental factors.

- **CPR (Cca s1a, d1, a1):** Low fire propagation, reduced smoke emission, and minimal toxic gas release.
- **Loose Tube Construction:** Excellent fiber protection against mechanical stress and temperature variations.
- **Indoor & Outdoor installation :** Ideal for structured cabling in residential, commercial, and public buildings, with environmental resistance for exposed sections.
- **High Performance OS2:** Reliable, high-speed data transmission over long distances.
- **Flexible and Robust**
- **UV-Resistant & Waterproof**: Designed to withstand outdoor conditions when required.

The central tube contains up to 48 fibers organized in 4 bundles of 12 fibers, each clearly identified to simplify installation.

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 60754-2
Verwendetes Material für Längswasserdichtigkeit	Jelly
Außenmantel	LSZH
Abmessungsmerkmale	
Nettogewicht ca.	105 kg/km
Außendurchmesser, nom.	10.4 mm
Anzahl der optischen Fasern	48
Anzahl der Bündel	4
Mechanische Eigenschaften	
Querdruckwiderstand (IEC 794-1-E3)	2000/10 N/cm
Max. Zugkraft (IEC 60794-1-2-E1)	1800 N
Mechanical resistance to impacts (IEC 60794-1-E4)	20 N · m
Nenndauerzugfestigkeit	0.6 kN
Anwendungsmerkmale	
Flammwidrig	IEC 60332-3-24
Umgebungstemperatur, Bereich	-20...60 °C
Art der Installation	Indoor/Outdoor
Dynamischer Mindestbiegeradius während Anwendung	208 mm
Mindestbiegeradius bei statischem Einsatz	104 mm
Betriebstemperatur	-40...70 °C
Rauchdichte	IEC 61034-2
Lagertemperatur, Bereich	-30...60 °C
UV Beständigkeit	Ja

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DoP: Declaration of Performance

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