

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

LANMARK-OF LOOSE TUBE UNIVERSAL 96XMULTIMODE 50/125 OM4 LSZH CCA VIOLET

Aginode Ref: N167.LTUN96-VC

- Loose Tube Universal optical fibre cable with high-level transmission: OM4
- High fire performance: Reaction to fire Cca according to EN50575:2014+A1:2016
- Indoor/Outdoor cable
- Designed for splicing with pigtails

The new **96FO OM4 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 OM4:** 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 96 fibers organized in 8 bundles of 12 fibers, each clearly identified to simplify installation.

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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Eigenschaften

Konstruktionsmerkmale

| | |
|---|-------------|
| Leitungsaufbau | Loose Tube |
| Fasertyp | OM4 50/125 |
| Halogenfrei | IEC 60754-2 |
| Verwendetes Material für Längswasserdichtigkeit | Jelly |
| Metallfrei | Yes |
| Außenmantel | LSZH |

Abmessungsmerkmale

| | |
|-----------------------------|-----------|
| Nettogewicht ca. | 145 kg/km |
| Außendurchmesser, nom. | 11.8 mm |
| Anzahl der optischen Fasern | 96 |
| Anzahl der Bündel | 8 |

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 | 236 mm |
| Mindestbiegeradius bei statischem Einsatz | 118 mm |
| Betriebstemperatur | -40...70 °C |
| Rauchdichte | IEC 61034-2 |
| Lagertemperatur, Bereich | -30...60 °C |

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UV Beständigkeit

Very good

DoP: Declaration of Performance

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