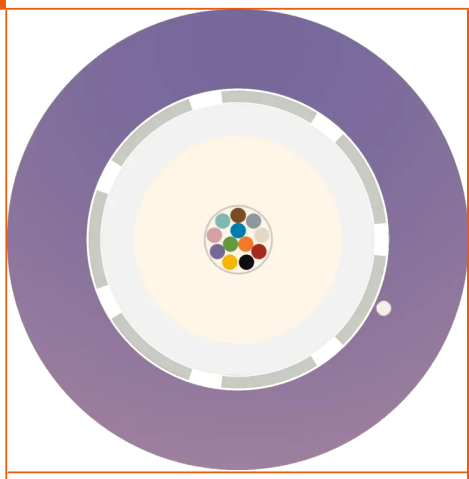
# LANmark-OF Loose Tube Universal 6 -12 and 24FO - Cca

**LANMARK-OF LOOSE TUBE UNIVERSAL 12XMULTIMODE 50/125 OM4 LSZH CCA VIOLET**



**Aginode Ref:** N167.LTUN12-VC

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

The new 12FO OM4 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 OM4** : 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 till 12 fibers well identified to make installation easy and simple.

## STANDARDS

ISO/IEC 11801

**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.*

# LANmark-OF Loose Tube Universal 12xMultimode 50/125 OM4 LSZH Cca Violet

## Eigenschaften

| | |
|---|---|
| **Konstruktionsmerkmale** | |
| Leitungsaufbau | Loose Tube |
| Fasertyp | OM4 50/125 |
| Halogenfrei | IEC 60754-1 |
| Jacket material | LSZH Halogen free flame retardant |
| Verwendetes Material für Längswasserdichtigkeit | Swellable Glass yarns |
| **Abmessungsmerkmale** | |
| Nettogewicht ca. | 71 kg/km |
| Außendurchmesser, nom. | 7.6 mm |
| Anzahl der optischen Fasern | 12 |
| Anzahl der Bündel | 1 |
| Rohrdurchmesser | 2.3 mm |
| **Mechanische Eigenschaften** | |
| Crush resistance (IEC 60794-1-E3) | 1500 N/100mm |
| Max. Zugkraft (IEC 60794-1-2-E1) | 2000 N |
| Reißfestigkeit | 2000 N |
| **Anwendungsmerkmale** | |
| flammwidrig | IEC 60332-3 |
| Flammwidrig | IEC 60332-1-2 |
| Korrosivität der (Brand-)Gase | niedrig, gem. IEC 60754-2 |
| Umgebungstemperatur, Bereich | -30...60 °C |
| Dynamischer Mindestbiegeradius während Anwendung | 152 mm |
| Mindestbiegeradius bei statischem Einsatz | 114 mm |
| Betriebstemperatur | -40...70 °C |
| Rauchdichte | IEC 61034-2 |
| Lagertemperatur, Bereich | -40...70 °C |

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| | |
|---|---|
| UV Beständigkeit | Very good |

## DoP: Declaration of Performance

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