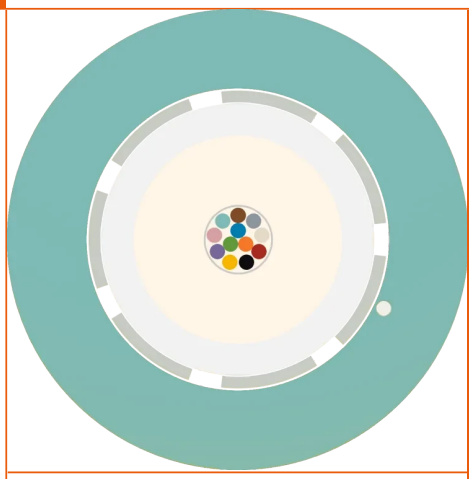
# LANmark-OF Loose Tube Universal 6 -12 and 24FO - Cca

**LANMARK-OF LOOSE TUBE UNIVERSAL 12XMULTIMODE 50/125 OM3 LSZH CCA AQUA**



**Aginode Ref:** N165.LTUN12-AC

- Loose Tube Universal optical fibre cable with high level transmission : OM3
- High fire behavior : reaction to fire Cca according to EN50575:2014+A1:2016
- Indoor/Outdoor cable
- Designed for splicing with pigtails

The new 12FO OM3 Loose Tube technology from Aginode is specifically engineered for indoor building & outdoor where 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 Smart Building & Data Centre
- **High Performance OM3** : Reliable, high-speed data transmission over medium 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.*

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## Characteristics

| | |
|---|---|
| **Construction characteristics** | |
| Construction type | Loose Tube |
| Fiber optic type | OM3 50/125 |
| Halogen free | IEC 60754-1 |
| Jacket material | LSZH Halogen free flame retardant |
| Material used for longitudinal water tightness | Swellable Glass yarns |
| **Dimensional characteristics** | |
| Approximate weight | 71 kg/km |
| Nominal outer diameter (mm) | 7.6 mm |
| Number of optical fibres | 12 |
| Number of tubes | 1 |
| Tube diameter | 2.3 mm |
| **Mechanical characteristics** | |
| Crush resistance (IEC 60794-1-E3) | 1500 N/100mm |
| Maximum pulling force (IEC 60794-1-2-E1) | 2000 N |
| Tensile strength | 2000 N |
| **Usage characteristics** | |
| Fire retardant | IEC 60332-3 |
| Flame retardant | IEC 60332-1-2 |
| Gases corrosivity | IEC 60754-2 |
| Installation temperature, range | -30...60 °C |
| Minimum dynamic operating bending radius | 152 mm |
| Minimum static operating bending radius | 114 mm |
| Operating temperature, range | -40...70 °C |
| Smoke density | IEC 61034-2 |
| Storage temperature, range | -40...70 °C |

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| | |
|---|---|
| U.V resistance | Very good |

## DoP: Declaration of Performance

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