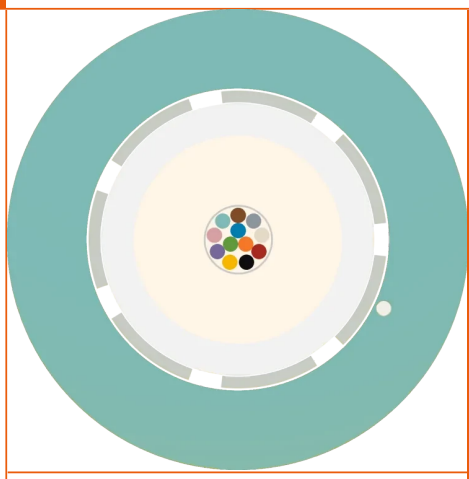
# LANmark-OF Loose Tube Universal 6-12 and 24FO - Dca

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



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

- Loose Tube Universal optical fibre cable with high level transmission : OM3
- Good fire behavior : reaction to fire Dca 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 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 factor.

- **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 OM3** : Reliable, high-speed data transmission over medium long distances.
- **Flexible and Robust**: Easy to install in ducts, conduits, and technical spaces.

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 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 OM3 LSZH Dca Aqua

## Characteristics

| | |
|---|---|
| **Construction characteristics** | |
| Construction type | Loose Tube |
| Fiber optic type | OM3 50/125 |
| Halogen free | IEC 60754-1 |
| Material used for longitudinal water tightness | Swellable Glass yarns |
| Metal free | Yes |
| Tube Filling Compound Material | Thixotropic Gel |
| **Dimensional characteristics** | |
| Approximate net weight | 70 kg/km |
| Nominal outer diameter (mm) | 7.2 mm |
| Number of optical fibres | 12 |
| Number of tubes | 1 |
| Tube diameter | 3.8 mm |
| **Mechanical characteristics** | |
| Crush resistance (IEC 60794-1-E3) | 2000 N/100mm |
| Maximum installation tension | 2000 N |
| Maximum permanent tensile load | 0.7 kN |
| Maximum pulling force (IEC 60794-1-2-E1) | 2000 N |
| Mechanical resistance to impacts | 10 impacts of 3 N.m |
| **Usage characteristics** | |
| Fire retardant | IEC 60332-3 |
| Flame retardant | IEC 60332-1-2 |
| 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 |

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| | |
|---|---|
| Smoke density | IEC 61034-2 |
| Storage temperature, range | -40...70 °C |
| U.V resistance | Very good |

## DoP: Declaration of Performance

DOP_LANmark-OF Loose Tube Universal 12xMultimode 50/125 OM3 LSZH Dca Aqua.pdf pdf — 59.14 KB　ダウンロード

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