

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

LANMARK-OF LOOSE TUBE UNIVERSAL 24XMULTIMODE 50/125 OM3 LSHZ DCA AQUA

Aginode Ref: N165.LTUN24-AD

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

The new 24FO OM3 Loose Tube technology from Aginode is specifically engineered for both indoor and outdoor installations where high performance, fire safety, and environmental resistance are essential. Designed with a loose tube construction, it offers reliable protection for fibers against mechanical stress and environmental factors.

- **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 24 fibers well identified to make installation easy and simple.

Applications :

- Building backbone networks
- Data centers
- Outdoor installations



STANDARDS

ISO/IEC 11801

LANmark-OF Loose Tube Universal 24xMultimode 50/125 OM3 LSZH Dca Aqua

Eigenschaften

Konstruktionsmerkmale

| | |
|---|-----------------------|
| Leitungsaufbau | Loose Tube |
| Fasertyp | OM3 50/125 |
| Halogenfrei | IEC 60754-1 |
| Verwendetes Material für Längswasserdichtigkeit | Swellable Glass yarns |
| Tube Filling Compound Material | Thixotropic Gel |

Abmessungsmerkmale

| | |
|-----------------------------|----------|
| Nettogewicht, ca | 70 kg/km |
| Außendurchmesser, nom. | 7.2 mm |
| Anzahl der optischen Fasern | 24 |
| Anzahl der Bündel | 1 |
| Rohrdurchmesser | 3.8 mm |

Mechanische Eigenschaften

| | |
|---------------------------------------|---------------------|
| Crush resistance (IEC 60794-1-E3) | 2000 N/100mm |
| Maximale Zugspannung bei Installation | 2000 N |
| Maximalzulässige Dauerzuglast | 0.7 kN |
| Max. Zugkraft (IEC 60794-1-2-E1) | 2000 N |
| Mechanische Festigkeit gegen Schläge | 10 impacts of 3 N.m |

Anwendungsmerkmale

| | |
|--|---------------|
| flammwidrig | IEC 60332-3 |
| Flammwidrig | IEC 60332-1-2 |
| Umgebungstemperatur, Bereich | -30...60 °C |
| Dynamischer Mindestbiegeradius während Anwendung | 152 mm |
| Mindestbiegeradius bei statischem Einsatz | 120 mm |
| Betriebstemperatur | -40...70 °C |
| Rauchdichte | IEC 61034-2 |

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.

Lagertemperatur, Bereich

-40...70 °C

UV Beständigkeit

Very good

DoP: Declaration of Performance

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