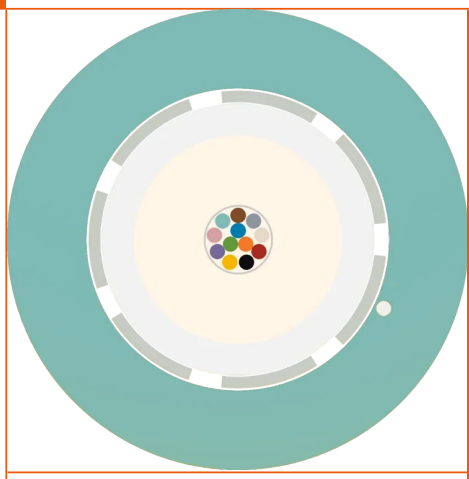
LANmark-OF Loose Tube Universal 6-12 and 24FO - Dca

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.

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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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

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