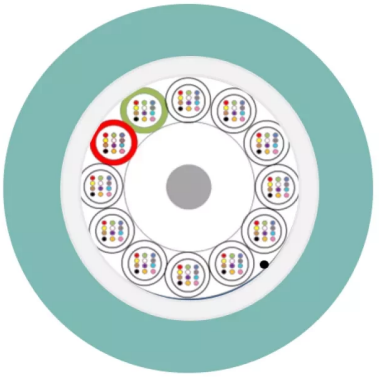
LANmark-OF Loose Tube Universal 48 - 72 - 96 & 144FO - Cca

LANMARK-OF LOOSE TUBE UNIVERSAL 144XMULTIMODE 50/125 OM3 LSZH CCA AQUA

Aginode Ref: N165.LTUN144-AC

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



STANDARDS

ISO/IEC 11801

The new **144FO OM3 Loose Tube technology** from Aginode is specifically engineered for indoor buildings & outdoor where installations require both high performance and fire safety. Designed with a loose tube construction, it offers excellent protection for fibers against mechanical stresses and environmental factors.

- **CPR (Cca s1a, d1, a1):** Low fire propagation, reduced smoke emission, and minimal toxic gas release.
- **Loose Tube Construction:** Excellent fiber protection against mechanical stress and temperature variations.
- **Indoor & Outdoor installation :** Ideal for structured cabling in residential, commercial, and public buildings, with environmental resistance for exposed sections.
- **High Performance OM3:** Reliable, high-speed data transmission over long distances.
- **Flexible and Robust**
- **UV-Resistant & Waterproof**: Designed to withstand outdoor conditions when required.

The central tube contains up to 144 fibers organized in 12 bundles of 12 fibers, each clearly identified to simplify installation.

Applications:

- Building backbone networks
- Data centers
- Indoor/Outdoor cable

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

구조적 특성	
구조	루즈 튜브
Fiber optic type	OM3 50/125
Halogen free	IEC 60754-2
Material used for longitudinal water tightness	Jelly
피복	저연 할로겐 프리
치수	
무게(근사치)	240 kg/km
Nominal outer diameter (mm)	15.0 mm
Number of optical fibres	144
Number of tubes	12
기계적 특성	
Crush resistance (IEC 60794-1-E3)	2000/10 N/cm
Maximum pulling force (IEC 60794-1-2-E1)	1800 N
Mechanical resistance to impacts (IEC 60794-1-E4)	20 N · m
Nominal permanent tensile strength	0.6 kN
사용 특성	
난연	IEC 60332-3-24
Installation temperature, range	-20...60 °C
Installation type	Indoor/Outdoor
Minimum dynamic operating bending radius	300 mm
Minimum static operating bending radius	150 mm
操作温度范围	-40...70 °C
연기밀도	IEC 61034-2
Storage temperature, range	-30...60 °C
U.V resistance	Yes

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DoP: Declaration of Performance

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