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

**LANMARK-OF LOOSE TUBE UNIVERSAL 96XSINGLEMODE 9/125 OS2 LSZH CCA YELLOW**

**Aginode Ref:** N164.LTUN96-YC

- Loose Tube Universal optical fibre cable with high-level transmission: OS2
- 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 **96FO OS2 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 Versatility**: Ideal for structured cabling in residential, commercial, and public buildings, with environmental resistance for exposed sections.
- **High Performance OS2:** Reliable, high-speed data transmission over long distances.
- **Flexible and Robust**
- **UV-Resistant & Waterproof**: Built to withstand challenging installation conditions when necessary.

The central tube contains up to 96 fibers organized in 8 bundles of 12 fibers, each clearly identified to simplify installation.

**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 96xSinglemode 9/125 OS2 LSZH Cca Yellow

## Characteristics

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|---|---|
| **结构特性** | |
| 结构类型 | 松套管 |
| 光纤类型 | SM (G657.A1) |
| 无卤 | IEC 60754-2 |
| 长度水密封性所用材料 | Jelly |
| 不含金属 | Yes |
| 外护套 | 低烟无卤 |
| **尺寸特性** | |
| 近似重量 | 145 kg/km |
| 标称外径 | 11.8 mm |
| 光纤数 | 96 |
| 管数 | 8 |
| **机械特性** | |
| 耐挤压 (IEC 794-1-E3) | 2000/10 N/cm |
| 最大拉力(IEC 60794-1-2-E1) | 1800 N |
| 抗冲击性能(IEC 60794-1-E4) | 20 N·m |
| 额定长期抗拉强度 | 0.6 kN |
| **使用特性** | |
| 阻燃 - 火焰 | IEC 60332-3-24 |
| Installation temperature, range | -20...60 °C |
| 安装类型 | 室内/户外 |
| 最小弯曲半径 - 动态 | 236 mm |
| 最小弯曲半径 - 静态 | 118 mm |
| 操作温度，范围 | -40...70 °C |
| 烟密度 | IEC 61034-2 |
| 存储温度范围 | -30...60 °C |

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|---|---|
| 抗UV | 非常好 |

## DoP: Declaration of Performance

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