# LANmark-OF MUN (Module Universal) - Cca

**LANMARK-OF MODULE UNIVERSAL 144FO OS2 - CCA**



ISO/IEC 11801

**Aginode Ref:** N164.MUN144-YC

LANmark MUN cable is especially designed for our FTTO installation. Thanks to 12 flexible modules, the cable allow an easy fiber extraction to connect the LANactive switches

- 12 Modules Universal optical fibre cable with High Level of Fire Performance
- Reaction to fire Cca s1a d1 a1 according to EN50575:2014+A1:2016
- Universal installation
- Longitudinal water tightness
- Designed for splicing with pigtails

The **LANmark-OF MUN 144FO** cable is designed for indoor and outdoor installations, and allow an optimized FTTO installationt thanks to the 12 modules of 12 fibers.

Key features include:

- **12 flexible module** for an easy extraction, each module containing **12 fibers**
- **All-dielectric design**, eliminating any conductive materials.
- **Singlemode OS2**.
- **Water tightness :** longitudinal protection thanks to water swellable yarns
- **Flame retardant** according to **IEC 60332-1** and **fire retardant** according to **IEC 60332-3**, meeting strict indoor safety requirements.
- Compliant with **gas toxicity (IEC 60754)** and **smoke density (IEC 61034)** standards, rated **Euroclass Cca-s1,d1,a1** for fire safety.

*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

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|---|---|
| **Construction characteristics** | |
| Construction type | Module Universal |
| Fiber optic type | SM (G657.A1) |
| Halogen free | Yes |
| Material used for longitudinal water tightness | Swellable Glass yarns |
| Outer sheath | LSZH |
| **Dimensional characteristics** | |
| Approximate weight | 115 kg/km |
| Cable Diameter | 12.3 mm |
| Number of optical fibres | 144 |
| **Mechanical characteristics** | |
| Crush resistance (IEC 60794-1-E3) | 1000 N/100mm |
| Dynamic bending raidus | 15xcable OD |
| Maximum installation tension | 2700 N |
| Mechanical resistance to impacts (IEC 60794-1-E4) | 5J |
| Static Bending radius | 10xcable OD |
| **Usage characteristics** | |
| Flame retardant | IEC 60332-1 |
| Installation temperature, range | -5...40 °C |
| Installation type | Indoor/Outdoor |
| Operating temperature, range | -20...70 °C |
| Smoke density | IEC 61034-2 |
| Storage temperature, range | -40...70 °C |
| U.V resistance | Very good |
| Water penetration | Longitudinal water tightness |

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