

# LANmark-OF MUN (Module Universal) - Cca

LANMARK-OF MODULE UNIVERSAL 48FO OS2 - CCA

**Aginode Ref:** N164.MUN48-YC

- Micro-Bundle Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent resistant
- LSZH sheath, CPR **Cca** fire-rated for enhanced safety
- Small, but mechanical strong cable
- Designed for splicing with pigtails
- Micro-bundles of 12fibres

The LANmark-OF MUN (Module Universal) cable is designed for **indoor and outdoor** installations, compatible with duct installation. It is optimized for both horizontal and vertical indoor applications thanks to its strict fire performance rating.

## Key features :

**All-dielectric design**, eliminating any conductive materials.

**Jelly-filled micro-modules**, each containing 12 fibres, offering excellent fibre protection and easy identification.

**Available in all standard fibre grades** (e.g., OS2, OM3, OM4).

**Waterproof structure with dry water-swellable glass yarns for optimal water blocking.**

Rodent resistance and UV resistance, ensuring high durability in outdoor environments.

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.



ISO/IEC 11801

# LANmark-OF Module Universal 48FO OS2 - Cca

## Eigenschaften

### Konstruktionsmerkmale

|   |                       |
|---|-----------------------|
| Leitungsaufbau                                  | Multibundle           |
| Fasertyp  | SM (G657.A1)          |
| Halogenfrei                                     | Ja                    |
| Verwendetes Material für Längswasserdichtigkeit | Swellable Glass yarns |
| Außenmantel                                     | LSZH                  |

### Abmessungsmerkmale

|                             |          |
|-----------------------------|----------|
| Nettogewicht ca.            | 85 kg/km |
| Kabeldurchmesser            | 10 mm    |
| Anzahl der optischen Fasern | 48       |

### Mechanische Eigenschaften

|   |                     |
|---|---------------------|
| Crush resistance (IEC 60794-1-E3)                 | 1000 N/100mm        |
| Dynamic bending radius                            | 15xcable OD         |
| Maximale Zugspannung bei Installation             | 2700 N              |
| Mechanical resistance to impacts (IEC 60794-1-E4) | 10 impacts of 1 N.m |
| Static Bending radius                             | 10xcable OD         |

### Anwendungsmerkmale

|                              |                |
|------------------------------|----------------|
| Flammwidrig                  | IEC 60332-1    |
| Umgebungstemperatur, Bereich | -5...40 °C     |
| Art der Installation         | Indoor/Outdoor |
| Betriebstemperatur           | -25...70 °C    |
| Rauchdichte                  | IEC 61034-2    |
| Lagertemperatur, Bereich     | -40...70 °C    |
| UV Beständigkeit             | Very good      |