# LANmark-OF MPO-MPO Pre-Term OFNP Method C APAC

**LANMARK-OF METHOD C MPO/M-MPO/M PRE-TERM MM OM3 24C OFNP XXXM AQUA**



**Aginode Ref:** N145.CU24LPxxx-PA

- Factory terminated MPO-MPO fibre assembly
- Flexible fan-out for ease of installation in patch panel
- Small cable diameter reduces required data centre space
- Method C polarity Pre-Term
- Only one type of patch cords and one type of cassettes required for duplex transmission
- Fibre count: 24F
- Fibre type: MultiMode OM3

## STANDARDS

ISO/IEC 11801

### Pre-Term for data centres, buildings and campus based on Micro-Bundle.

The cable has a small diameter and bend raduis to meet data centre requirements.

### Fire performance

The cables have been tested for fire performance according to Plenum rated, providing a very high fire performance with minimal fire load and can be used in air flow space.

### MPO-MPO Pre-Term characteristics

The MPO-MPO Pre-Term has standard pinned (male) connectors. This matches with the un-pinned (female) connectors in the female Plug&Play modules.

The "xxx" in the N-number is the length in meter between the cable glands, i.e. the Pre-Term length between the back side of the patch panels.

After the cable gland the Pre-Term has a fan-out. The fan-out splits the cable into tubes. The tubes are reinforced with aramid yarns.

Pre-terminated MPO fibre cable can be ordered separately with a removable pulling eye for fast deployment onsite. The pulling eye provides minimum 450N installation tension. The removable pulling eye can be quickly detached after installation and can be reinstalled, reducing construction waste and making it more suitable for sustainable environmental protection. The detachable pulling eye with corrugrated tube can be ordered using PN N890.100HP.

*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.*

Prefabricated pulling eye is also available with the MPO pre-term.

The MPO-MPO Pre-Terms come with a PG-13 cable gland that fits into the LANmark-OF Plug&Play patch panel slots.

**Optical Performance and Polarity**

The insertion loss for a multimode the MPO-MPO connection has  Low Loss performance: typical insertion loss is 0,2 dB with a maximum of 0,35 dB insertion loss. The insertion loss of a MPO-MPO connection is measured according to standard IEC61300-3-45.

The minimum return loss for a multimode MPO connection is 20 dB measured according to IEC 61300-3-6.

The method C Pre-Term has a pair flip key up / key down design. This is in agreement with standard TIA-568.3-D-2016 method C.

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# LANmark-OF METHOD C MPO/M-MPO/M Pre-Term MM OM3 24c OFNP xxxM Aqua

## Characteristics

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| **Construction characteristics** | |
| Fiber optic type | OM3 50/125 |
| **Dimensional characteristics** | |
| Number of optical fibres | 24 |
| Nominal outer diameter (mm) | 7.5 mm |
| **Mechanical characteristics** | |
| Maximum installation tension | 660 N |
| Mechanical resistance to impacts | 10 impacts of 3 N.m |
| Crush resistance (IEC 60794-1-E3) | 100 N/cm |
| **Transmission characteristics** | |
| Insertion Loss, maximum, dB | 0.35 dB |
| Return Loss, Minimum, dB | 20 dB |
| **Usage characteristics** | |
| Operating temperature, range | -20...60 °C |
| Minimum dynamic operating bending radius | 20 (xD) |
| Minimum bending radius, static (XD) | 10 |

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