# LANmark-OF MPO Base8 Per-term Assembly

**LANMARK-OF MPO BASE8 PRE-TERMINATED ASSEMBLY METHOD B OM3 48F LOW LOSS LSZH AQUA SINGLE-END TRACTION HANDLE XXXM**

**Aginode Ref:** N145Q.BL48LAxxx-LA

- Factory terminated Base8 MPO fibre assembly
- Flexible fan-out for ease of installation in patch panel
- Small cable diameter reduces required data centre space
- Flame-retardant LSZH cable to meet data center standards
- MPO cable standard is METHOD B, other polarity standards can be selected, such as METHOD A, METHOD B, METHOD C, etc.
- Optimized for 40G/100G/200G parallel transmission
- Optional 8/16/24/48/72/96 cores
- Optional bending-insensitive multi-mode BI OM3/OM4/OM5 fiber and OS2 fiber to G.657.A1, fully compatible with G.652.D fiber

## STANDARDS

ANSI/TIA-568-C.3
ISO/IEC 11801

**Pre-Term for data centres, buildings and campus based on Micro-Bundle Universal**
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 IEC 60332-3c. The cable meets LSZH requirements.
**MPO-MPO Pre-Term characteristics**
The Pre-Term has standard pinned (male) MPO connectors. This matches with the un-pinned (female) connectors in the female Plug&Play MPO-LC modules.
In order to reduce overlengths in data centers the Pre-Terms are custom made and available with 1m increments. The "xxx" in the N-number is the length in metre between the cable glands, i.e. the Pre-Term length between the back side of the patch panels.
The Pre-Terms are optimized for both pulling and laying in data centers. On both sides the MPO connectors are protected by a bubble foam. The maximum pulling force on the pulling eye is 450N.
The MPO Pre-Terms come with a PG-13 cable gland that fits into the LANmark-OF Plug&Play patch panel gland holders.
**Optical Performance and Polarity**
The insertion loss for a multimode the MPO connection has typical Low Loss performance of 0,2 dB and with a maximum of 0,35 dB insertion loss. The insertion loss of a 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 B Pre-Term has a key up / key up design. This is in agreement with standard TIA-568.3-D-2016 method B.

# LANmark-OF MPO Base8 Pre-terminated assembly Method B OM3 48F Low loss LSZH Aqua Single-end traction handle xxxm

## Characteristics

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| **Construction characteristics** | |
| Fiber optic type | OM3 50/125 |
| **Dimensional characteristics** | |
| Number of optical fibres | 48 |
| **Transmission characteristics** | |
| Insertion Loss, maximum, dB | 0.35 dB |
| Return Loss, Minimum, dB | 20 dB |
| **Usage characteristics** | |
| Operating temperature, range | -20...60 °C |