

LANmark-OF Method C MPO-MPO Pre-Term LSZH APAC

LANMARK-OF METHOD C MPO/M-MPO/M PRE-TERM MM OM4 96C LOW LOSS LSZH XXXM AQUA PULLING EYE ONE SIDE

Aginode Ref: N147.CL96LAxxx-LV

- 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: 96F
- Fibre type: Multimode OM4

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

The cable has a small diameter and bend radius 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. Pre-term are ordered with 2 options available: Pulling eye on one side or No pulling eye. A detachable pulling eye with corrugated tube can be ordered separately using PN N890.100HP.

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



STANDARDS

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

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.

of 0,35 dB insertion loss.

The insertion loss for a singlemode the MPO connection has typical performance of 0.5dB with a maximum of 0.75dB 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 and singlemode MPO connection is 45 dB, both measured according to IEC 61300-3-6.

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

LANmark-OF METHOD C MPO/M-MPO/M Pre-Term MM OM4 96c Low Loss LSZH xxxM Aqua Pulling Eye one side

Characteristics

Construction characteristics

| | |
|------------------|------------|
| Fiber optic type | OM4 50/125 |
| Halogen free | Yes |

Dimensional characteristics

| | |
|-----------------------------|--------|
| Nominal outer diameter (mm) | 6.4 mm |
| Number of optical fibres | 96 |

Mechanical characteristics

| | |
|-----------------------------------|---------------------|
| Crush resistance (IEC 60794-1-E3) | 100 N/cm |
| Maximum installation tension | 1000 N |
| Mechanical resistance to impacts | 10 impacts of 3 N.m |

Transmission characteristics

| | |
|-----------------------------|---------|
| Insertion Loss, maximum, dB | 0.35 dB |
| Return Loss, Minimum, dB | 20 dB |

Usage characteristics

| | |
|--|------------------------|
| Fire retardant | IEC 60332-3-24 (cat C) |
| Minimum bending radius, static (XD) | 10 |
| Minimum dynamic operating bending radius | 20 (xD) |
| Operating temperature, range | -20...60 °C |
| Smoke density | IEC 61034 |