LANmark-OF MPO Base8 Per-term Assembly

LANMARK-OF ENSPACE BASE8 PRE-TERM OM4 METHOD B MPO8 MALE-MPO8 MALE 48CORE LSZH AQUA LOW LOSS NO PULLING EYE XXXM

Aginode Ref: N147.B8L48LPxxx-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 100G/400G parallel transmission
- Optional 8/32/48 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 FO cable for data centres based on Micro-Bundle Cable
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 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 specific Base8 cable gland that fits into the LANmark-OF ENSPACE Base8 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 ANSI/TIA-568.3-E method B.

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Characteristics

Construction characteristics	
Fiber optic type	OM4 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