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

LANMARK-OF METHOD C MPO/M-MPO/M PRE-TERM SM OS2 G.657.A1 96C LSZH XXXM YELLOW PULLING EYE ONE SIDE

Aginode Ref: N144.CL96SAxxx-LY

- 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: Singlemode OS2 G.657.A1

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. Pre-term are ordered with 2 options available: Pulling eye on one side or No pulling eye. A detachable pulling eye with corrugrated 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

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.

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Characteristics

Construction characteristics	
Fiber optic type	SM (G657.A1)
Halogen free	Yes
Dimensional characteristics	
Number of optical fibres	96
Nominal outer diameter (mm)	6.4 mm
Mechanical characteristics	
Mechanical resistance to impacts	10 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum installation tension	1000 N
Transmission characteristics	
Insertion Loss, maximum, dB	0.75 dB
Return Loss, Minimum, dB	20 dB
Usage characteristics	
Operating temperature, range	-20...60 °C
Fire retardant	IEC 60332-3-24 (cat C)
Smoke density	IEC 61034
Minimum dynamic operating bending radius	20 (xD)
Minimum bending radius, static (XD)	10