

LANmark-OF ENSPACE Method B MTP-MTP Pre-Term LSZH APAC

LANMARK-OF ENSPACE METHOD B MTP/M-MTP/M PRE-TERM SM 48C LOW LOSS LSZH XXXM OS2 G.657.A1 YELLOW

Aginode Ref: N144.B48MMExxxY

- Factory terminated MTP-MTP fibre assembly
- Flexible fan-out for ease of installation in patch panel
- Small cable diameter reduces required data centre space
- Method B polarity Pre-Term
- Optimized for 40G/100G parallel transmission
- Fibre count: 48F
- Fibre type: Singlemode (OS2 G.657.A1)

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.

MTP*-MTP Pre-Term characteristics

The MTP-MTP Pre-Term has standard pinned (male) connectors. This matches with the un-pinned (female) connectors in the ENSPACE modules and the female Plug&Play 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 MTP connectors are protected by a bubble foam. The maximum pulling force on the pulling eye is 450N. The detachable pulling eye with corrugated tube can be ordered using PN N890.100HP.

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



STANDARDS

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

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Optical Performance and Polarity

The insertion loss for a multimode the MTP-MTP* connection has Low Loss performance: typical insertion loss is 0,15 dB with a maximum of 0,35 dB insertion loss. Ultra Low loss is also available with typical insertion loss 0.125dB with a maximum of 0.25dB insertion loss.

The insertion loss for a singlemode the MTP-MTP* connection has Low Loss performance: typical insertion loss 0.3dB with a maximum of 0.35dB insertion loss.

The insertion loss of a MTP-MTP* connection is measured according to standard IEC61300-3-45.

The minimum return loss for a multimode MTP connection is 20 dB measured according to IEC 61300-3-6. The minimum return loss for a singlemode MTP connection is 45 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.

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Characteristics

구조적 특성

Fiber optic type	SM (G657.A1)
Halogen free	예

치수

Number of optical fibres	48
Nominal outer diameter (mm)	5.4 mm

기계적 특성

Mechanical resistance to impacts	10 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum installation tension	660 N

Transmission characteristics

Insertion Loss, maximum, dB	0.35 dB
Return Loss, Minimum, dB	45 dB

사용 특성

操作温度范围	-20...60 °C
Fire retardant	IEC 60332-3-24 (cat C)
연기밀도	IEC 61034
Minimum dynamic operating bending radius	20 (xD)
Minimum bending radius, static (XD)	10