

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

- 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: 12F, 24F, 48F, 96F
- Fibre type: OM3, OM4, OM5 and 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

ISO/IEC 11801  
ANSI/TIA-568.3-D

## 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

### Construction characteristics

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

### Dimensional characteristics

Number of optical fibres	12
Nominal outer diameter (mm)	3.65 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	450 N

### Transmission characteristics

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

## Product list

Aginode ref.	Country ref.	Name	Fiber optic type	Number of optical fibres
☎ N144.B12MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 12c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	12
☎ N149.B48MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	48
☎ N149.B24MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	24
☎ N145.B24MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	24
☎ N149.B12MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	12
☎ N147.B96MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	96
☎ N147.B48MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	48
☎ N147.B24MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 24c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	24
☎ N145.B12MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	12
☎ N147.B12MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 12c Low Loss LSZH xxxM OM4 Aqua	OM4 50/125	12
☎ N144.B96MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 96c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	96
☎ N145.B96MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	96
☎ N144.B48MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 48c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	48
☎ N145.B48MMExxxA	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 48c Low Loss LSZH xxxM OM3 Aqua	OM3 50/125	48
☎ N144.B24MMExxxY	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term SM 24c Low Loss LSZH xxxM OS2 G.657.A1 Yellow	SM (G657.A1)	24
☎ N149.B96MMExxxL	-	LANmark-OF ENSPACE METHOD B MTP/M-MTP/M Pre-Term MM 96c Low Loss LSZH xxxM OM5 Lime Green	OM5 50/125 Wideband	96

☎ = Make to order, 🏠 = In Stock

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