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

**LANMARK-OF ENSPACE METHOD B 24F X SM ULTRA LOW LOSS MTP MALE APC - MTP MALE APC PRE-TERM XXXM OFNP YELLOW**

**Aginode Ref:** N144.O24MMExxxY

- 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 transmission applications
- Fibre count: 24F
- Fibre type: singlemode (OS2)



## STANDARDS

ISO/IEC 11801

### Fire performance

The cables have been tested for fire performance according to UL Plenum performance.

According to this standard the cables have a very high fire performance with minimal fire load and can be used in air flow space.

### 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.

After the cable gland the Pre-Term has a fan-out. The fan-out splits the cable into tubes. The tubes are reinforced with aramid yarns. At the end of each tube a MTP-connectors is mounted. The jacket of the tube is the same colour as the cable jacket. Close to the MTP-connector a label is installed to identify the number of the leg.

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

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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 0,25 dB with a maximum of 0,35 dB insertion loss.

The insertion loss for a singlemode the MTP-MTP* connection has Ultra Low Loss performance: typical insertion loss 0.25dB 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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# LANmark-OF ENSPACE Method B 24F x SM Ultra Low Loss MTP Male APC - MTP Male APC Pre-Term xxxm OFNP Yellow

## Characteristics

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| **Construction characteristics** | |
| Fiber optic type | SM (G657.A1) |
| **Dimensional characteristics** | |
| Number of optical fibres | 24 |
| Nominal outer diameter (mm) | 7.5 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 | 660 N |
| **Transmission characteristics** | |
| Insertion Loss, maximum, dB | 0.35 dB |
| Return Loss, Minimum, dB | 45 dB |
| **Usage characteristics** | |
| Operating temperature, range | -20...60 °C |
| Minimum dynamic operating bending radius | 20 (xD) |
| Minimum bending radius, static (XD) | 10 |

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