

## Key Highlights:

- **Type:** Fiber Optic Trunk Cable
- **Connector:** MTP Female to MTP Female
- **Fiber Count:** 12
- **Polarity:** Type B
- **Fiber Type:** OS2 9/125um Single-Mode Fiber (SMF)
- **Jacket Type:** LSZH | OFNP
- **Wavelength:** 1310 | 1610 nm
- **Operating Temperature:** -20°C to +70°C
- **Color:** Yellow
- **Cable Length:** 1m to 50m

## Fiber Optic Trunk Cable: MTP-MTP-OS2-12B

### Product Description:

MTP-MTP-OS2-12B is MTP to MTP Female, OS2 Singlemode, 12 Fiber, Type B cable available in length from 1 meter to 50 meters. This MTP to MTP cable uses 9/125 micron Singlemode fiber with cable jacket diameter of 3 mm. Cable jacket material is available in two options - Low Smoke Zero Halogen (LSZH) or Optical Fiber Nonconductive Plenum (OFNP). The LSZH cable jacket ensures lower smoke and zero smoke characteristics, but OFNP cables have fire-resistance and low smoke characteristics. OFNP is the highest fire rating fiber cable and no other cable types can be used as substitutes. MTP to MTP cable supports 1310nm and 1610nm wavelengths, and its attenuation at 1310nm is 0.35dB/km and at 1610nm is 0.22dB/km which ensures best performance at long distances. MTP to MTP cable guarantees the best standard grade insertion loss which is below 0.7dB. Operating temperature is rated to -20C to +70C which suits wide range of environments. MTP-MTP-OS2-12B MTP to MTP cable is manufactured with Type B crossover configuration to support transceiver to transceiver or transceiver to patch panel high speed 40G/100G Data Center applications.

MTP-MTP-OS2-12B patch cable is CE/RoHS certified and is compliant with product safety standards. MTP to MTP cable is fully compliant to ISO/IEC-61754, EN 50399 and EN 50575 specification. Consequently, compliance to above standards guarantees that MTP to MTP cable is intermateable with other manufacturer equipment (cables, cassettes, adapters). And as well ensures that cable jacket fully meets its material properties.

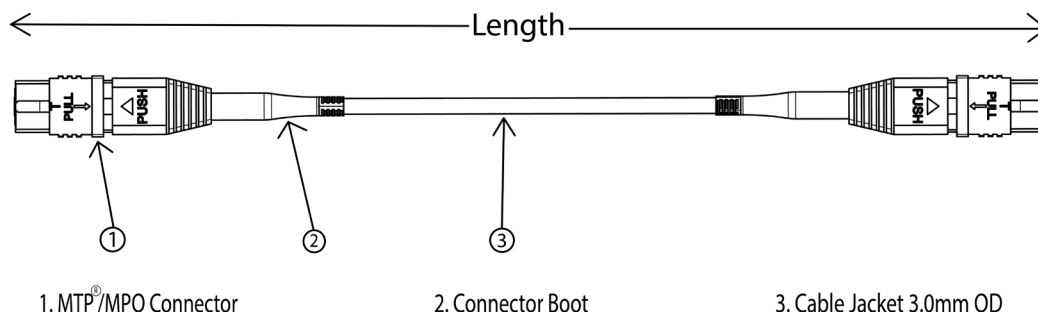


## Product Specification:

General parameter	Value
Connector A:	MTP Female
Connector B:	MTP Female
Polarity:	Type B
Fiber Type:	OS2 9/125um Single-Mode Fiber (SMF)
Fiber Count:	12
Polish Type:	APC to APC
Jacket Diameter:	3.0mm
Jacket Type:	LSZH   OFNP
Wavelength:	1310   1610 nm
Attenuation at 1310 nm:	< 0.35 dB/km
Attenuation at 1610 nm:	< 0.22 dB/km
Insertion Loss:	< 0.7 dB
Return Loss:	> 50 dB
Storage Temperature:	-40°C to +85°C
Operating Temperature:	-20°C to +70°C
Installation Tensile Load:	100N
Long Term Tensile Load:	50N
Minimum Bend Radius:	7.5mm
Color:	Yellow
Cable Length:	1m   2m   3m   5m   7m   10m   15m   20m   25m   30m   35m   40m   45m   50m



## Mechanical Dimensions:



## Supported Versions:

PN	Description
MTP-MTP-OS2-12B-LSZH-1	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 1 Meter)
MTP-MTP-OS2-12B-LSZH-2	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 2 Meter)
MTP-MTP-OS2-12B-LSZH-3	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 3 Meter)
MTP-MTP-OS2-12B-LSZH-5	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 5 Meter)
MTP-MTP-OS2-12B-LSZH-7	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 7 Meter)
MTP-MTP-OS2-12B-LSZH-10	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 10 Meter)
MTP-MTP-OS2-12B-LSZH-15	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 15 Meter)
MTP-MTP-OS2-12B-LSZH-20	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 20 Meter)
MTP-MTP-OS2-12B-LSZH-25	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 25 Meter)
MTP-MTP-OS2-12B-LSZH-30	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 30 Meter)
MTP-MTP-OS2-12B-LSZH-35	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 35 Meter)
MTP-MTP-OS2-12B-LSZH-40	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 40 Meter)



## Supported Versions:

PN	Description
MTP-MTP-OS2-12B-LSZH-45	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 45 Meter)
MTP-MTP-OS2-12B-LSZH-50	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 50 Meter)
MTP-MTP-OS2-12B-OFNP-1	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 1 Meter)
MTP-MTP-OS2-12B-OFNP-2	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 2 Meter)
MTP-MTP-OS2-12B-OFNP-3	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 3 Meter)
MTP-MTP-OS2-12B-OFNP-5	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 5 Meter)
MTP-MTP-OS2-12B-OFNP-7	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 7 Meter)
MTP-MTP-OS2-12B-OFNP-10	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 10 Meter)
MTP-MTP-OS2-12B-OFNP-15	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 15 Meter)
MTP-MTP-OS2-12B-OFNP-20	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 20 Meter)
MTP-MTP-OS2-12B-OFNP-25	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 25 Meter)
MTP-MTP-OS2-12B-OFNP-30	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 30 Meter)
MTP-MTP-OS2-12B-OFNP-35	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 35 Meter)
MTP-MTP-OS2-12B-OFNP-40	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 40 Meter)
MTP-MTP-OS2-12B-OFNP-45	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 45 Meter)
MTP-MTP-OS2-12B-OFNP-50	MTP Female to MTP Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, OFNP, Yellow, 50 Meter)



## Warranty:

EDGE Optic's provides a limited warranty for **sixty (60)** months from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.

