

Key Highlights:

- **Type:** Fiber Optic Trunk Cable
- **Connector:** MPO Female to MPO 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: MPO-MPO-OS2-12B

Product Description:

MPO-MPO-OS2-12B is MPO to MPO Female, OS2 Singlemode, 12 Fiber, Type B cable available in length from 1 meter to 50 meters. This MPO to MPO 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. MPO to MPO 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. MPO to MPO 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. MPO-MPO-OS2-12B MPO to MPO 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.

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

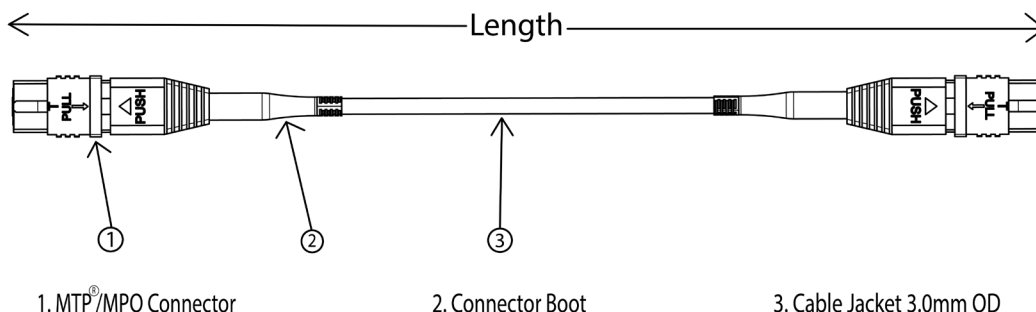


Product Specification:

General parameter	Value
Connector A:	MPO Female
Connector B:	MPO 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
MPO-MPO-OS2-12B-LSZH-1	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 1 Meter)
MPO-MPO-OS2-12B-LSZH-2	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 2 Meter)
MPO-MPO-OS2-12B-LSZH-3	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 3 Meter)
MPO-MPO-OS2-12B-LSZH-5	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 5 Meter)
MPO-MPO-OS2-12B-LSZH-7	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 7 Meter)
MPO-MPO-OS2-12B-LSZH-10	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 10 Meter)
MPO-MPO-OS2-12B-LSZH-15	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 15 Meter)
MPO-MPO-OS2-12B-LSZH-20	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 20 Meter)
MPO-MPO-OS2-12B-LSZH-25	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 25 Meter)
MPO-MPO-OS2-12B-LSZH-30	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 30 Meter)
MPO-MPO-OS2-12B-LSZH-35	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 35 Meter)
MPO-MPO-OS2-12B-LSZH-40	MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, OS2 9/125um SMF, APC, LSZH, Yellow, 40 Meter)



Supported Versions:

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

