

# 24F MPO-MPO OS2 Trunk Cable Datasheet

Continuous upgrades are made for the direct connection of SFP modules and applications in high-density data centers.



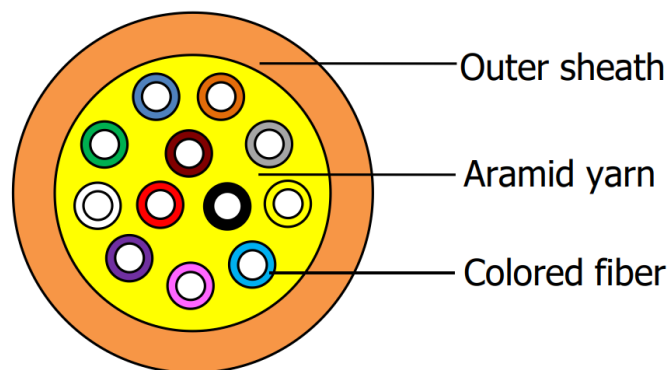
## • Description

OPTICO's MPO MTP backbone cable is terminated with Channel to meet 40G/100G Ethernet and support high-bandwidth applications. Designed for high-density data centers that save space and effectively reduce cable management time. OPTICO can provide a full range of MPO/MTP fiber cable. Its all factors could be arbitrarily matched with the advantages of stable transmission, high reliability, and low insertion loss.

## • Features

- High quality ceramic ferrules
- Good repeatability and interchangeability
- Perfect solution for installs that require
- US Conec MTP/Senko MTP/OPTICO MPO connectors are available
- 100% 3D tested/End surface tested/Loss tested/Polarization before delivery
- High and low temperature cycle test
- Stable data interchangeability
- Long mating cycles

## • Cable structure



MPO cable uses colored fiber wrapped with a layer of aramid yarn as the optical communication medium, and it is completed with an outer sheath.

- Technical Specifications

| Item                    | Parameter                   |
|-------------------------|-----------------------------|
| Fiber Count             | 24 Fibers                   |
| Fiber Mode              | OS2                         |
| Fiber Grade             | OS2:G657.A1                 |
| Connector A             | MTP/MPO Male/Female APC/UPC |
| Connector B             | MTP/MPO Male/Female APC/UPC |
| Polarity                | Type A/B/C                  |
| Cable Jacket            | PVC/LSZH/OFNP               |
| Jacket Color            | Yellow                      |
| Cable Diameter(mm)      | 3.0                         |
| Minimum Bend Radius(mm) | 7.5                         |
| Fiber and boot length   | As customized               |

| Optical Testing           | Parameter                             |
|---------------------------|---------------------------------------|
| Insertion Loss(dB)        | Standard loss:<0.7dB;Low loss:<0.35dB |
| Return Loss(dB)           | ≥35                                   |
| Wavelength(nm)            | 1310/1550                             |
| Tensile Strength(N)       | 70N(Long Term)/220N(Short Term)       |
| Operating Temperature(°C) | -40~85                                |
| Storage Temperature(°C)   | 20~70                                 |

- Tips:

Due to the COVID-19, sorry that you and our team couldn't visit face to face with each other. In order to make the customers know us more, please visit our VR factory, it is just like you were really standing in our factory.

OPTICO Fiber Assemblies Production Line VR :<https://www.linked-reality.com/company/15555/en>