

## ODVA-MPO/MTP Waterproof Patch Cord

### Description

The ODVA-MPO/MTP connectors, together with the support optical cable, are becoming the standard interface specified in 3G, 4G and WiMax Base Station remote radios and Fiber-to-the-Antenna applications.

The product however, is not limited to the above applications. The MPO cable assemblies have passed tests like salt mist, vibration and shock and meet protection class IP67. They are well suited for Industrial and Aerospace and Defense.



### Application

- Asynchronous Transmission Mode(ATM)
- Gigabit Ethernet
- Active Devised/Transceiver Interface
- CATV, Video and Multimedia
- Premise Installations
- Telecommunication Networks
- Parallel optical interconnect between PC Cards and patch panels
- Interconnection for O/E modules
- Industrial & Military
- Optical Switch interframe connections

### Features

- ◆ Standard MPO/MTP connector, well connected with standard MPO/MTP adaptor
- ◆ Available Single mode and Multimode
- ◆ IP67 protection, salt-mist proof, humidity proof, dust proof
- ◆ Broad temperature range and wide range of indoor and outdoor cables
- ◆ Easy Operation, reliable and cost-effective Installation Specifications

## Parameter

| Item                               | MPO/MTP                                                                             |               |
|------------------------------------|-------------------------------------------------------------------------------------|---------------|
| End face type                      | PC and APC                                                                          |               |
| Fiber type                         | SM (G652、G655、G657); MM (OM1-OM5)                                                   |               |
| Core number                        | 8、12、24                                                                             |               |
| Cable Diameter                     | Mini Round cable: Max4.5mm;<br>Ribbon cable: Max3.0*5.0mm                           |               |
| Insertion loss (dB)                | Standard: $\leq 0.35/0.75$ (Typical/Max)<br>Low Loss: $\leq 0.2/0.35$ (Typical/Max) |               |
| Return loss (Min)                  | SM:<br>APC: 60<br>PC: 50                                                            | MM:<br>PC: 20 |
| Test Wavelength (nm)               | SM:1310/1550<br>MM:850/1300                                                         |               |
| Repeatability                      | $\leq 0.1\text{dB}$                                                                 |               |
| Durability                         | $\leq 0.2\text{dB}$                                                                 |               |
| Interchangeability                 | $\leq 0.2\text{dB}$                                                                 |               |
| Operating Temperature              | $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$                                       |               |
| Storage Temperature                | $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$                                       |               |
| Outer Sheath Material              | PVC、LSZH、PU                                                                         |               |
| Bending radius<br>(Static/Dynamic) | 10D/20D                                                                             |               |
| Length                             | Customized                                                                          |               |