

## IP (MPO/MTP) Outdoor Cable Assemblies



### Application

- Multi-purpose Outdoor.
- For connection between distribution box and RRH.
- Deployment in Remote Radio Head cell tower applications.
- Data communication network
- Optical fiber system access network
- Fiber Storage Area Network
- High-density chassis

### Features

- Senko waterproof connector kits
- Factory terminated (tested cables) or Field installable version available.
- Low insertion loss and added loss.
- Height of attenuation.
- IP68 water, dustproof and corrosion resistant
- Plug has tolerance free design, free floating on Z-axis.
- Materials in the jumper cable are all-weather and UV-resistant.
- Mechanical performance: IEC 61754-7 standard.
- RoHS and REACH materials compliant.
- Standard or low-loss MPO / MTP optional
- ODVA Compatible

Information and specifications are subject to change without notice.  
Please visit [www.china-tscom.com](http://www.china-tscom.com) for more information

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- Wide range of operational temperature for outside plant --40°C/70°C
- Compatible with a wide range of cables, 5-8mm OD cable with two 2.0mm to 3.0mm jacketed subunits

### Standard Compliance

- TIA/EIA 568.3-D
- TIA/EIA 604-5
- IEC 61754 -7
- IEC 61753-1
- GR-1435-Core

### General Specification

Construction	Description																	
Fiber Count	8-24 Fibers																	
Fiber Mode	Single mode: G.652/G.657 Multimode: OM1 OM2 OM3; OM4																	
Fiber Brand	Corning SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber																	
Cable Jacket Color	Black or Customized																	
Cable diameter	5-8mm																	
Polarity	Type A, Type B, Type C (TIA-568.3-D)																	
Connector Ferrule	12F/ 24F																	
Connector Type	MTP,MPO																	
Connector Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO																	
Connector Color	<table border="1"> <thead> <tr> <th></th> <th>SM(APC)</th> <th>SM(PC)</th> <th>OM3</th> <th>OM4</th> <th></th> </tr> </thead> <tbody> <tr> <td>Low Loss</td> <td>Yellow</td> <td>Yellow</td> <td>Aqua</td> <td>Magenta</td> <td rowspan="2">or customized</td> </tr> <tr> <td>Standard</td> <td>Green</td> <td>Blue</td> <td>Aqua</td> <td>Magenta</td> </tr> </tbody> </table>		SM(APC)	SM(PC)	OM3	OM4		Low Loss	Yellow	Yellow	Aqua	Magenta	or customized	Standard	Green	Blue	Aqua	Magenta
	SM(APC)	SM(PC)	OM3	OM4														
Low Loss	Yellow	Yellow	Aqua	Magenta	or customized													
Standard	Green	Blue	Aqua	Magenta														
Connector Boot Color	Green/Black/Red/Gray or Customized																	
Ingress Protection rating	IP68																	
Operating Temperature	-40°C to + 70°C																	
Storage Temperature	-40°C to + 85°C																	

### Technical Specification

Optical Properties	Singlemode	Multimode
Insertion Loss (dB)	Low loss ≤ 0.35 (Typical: ≤ 0.25 ) Standard Loss ≤ 0.75 (Typical: ≤ 0.4 )	Low loss ≤ 0.35 (Typical: ≤ 0.2 ) Standard Loss ≤ 0.6 (Typical: ≤ 0.35 )
Return Loss (dB)	PC ≥ 50; APC ≥ 60	PC ≥ 20; APC ≥ 40
Durability	≤ 0.2 dB typical change, 50 matings	
Wavelength (nm)	Singlemode: 1310/1550, Multimode: 850/1300	

**Note:** IL&RL Test method: IEC 61300-3-4 insertion B.

## Cable Structure

