

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

- 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		SM(APC)	SM(PC)	OM3	OM4
	Low Loss	Yellow	Yellow	Aqua	Magenta
	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)	Low loss≤ 0.35 (Typical:≤ 0.2)
	Standard Loss≤0.75 (Typical:≤ 0.4)	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

