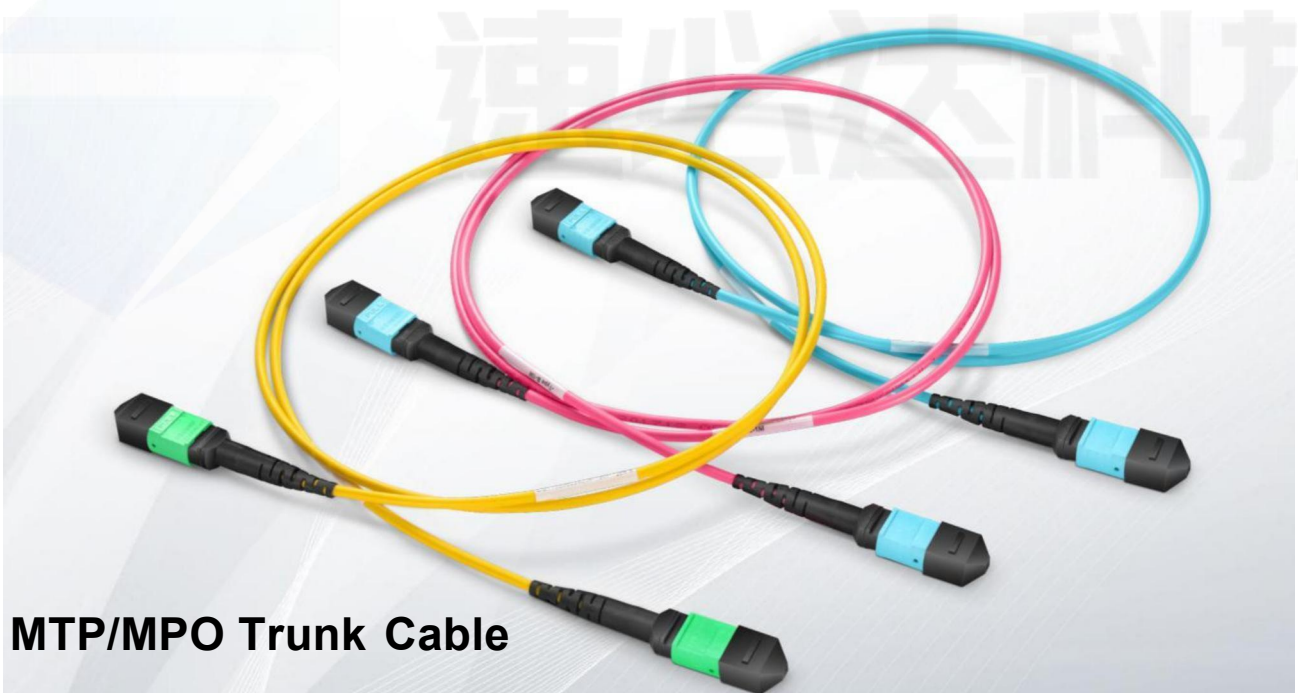


# MTP/MPO Trunk Cable

## IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM

Designed for data center applications requiring quick infrastructure deployment such as main, horizontal, and zone distribution areas.



**MTP/MPO Trunk Cable**

MTP/MPO trunk multifiber cable assemblies facilitate rapid deployment of high density backbone cabling in data centers and other high fiber environments, reducing network installation or reconfiguration time and cost. They are used to interconnect cassettes, panels or ruggedized MTP/MPO fanouts, spanning MDA, HDA and EDA zones.

## Standards Compliance

- ROHS, CE (EN 50575 CPR) and ISO9001 Compliant
- EIA/TIA, Telecordia GR-326-CORE Standards
- IEC61754-7
- TIA 605-4 (FOCIS 5)
- YD/T1272.5

## Features

- US Conec MTP® connector, Senko MPO Plus premium connector
- Corning Clearcurve® multi mode fiber, SMF-28® Ultra optical fiber
- OS2, OM3, OM4 available
- 0.35dB elite low loss connector, 0.5dB standard loss connector
- Factory terminated and tested
- Allow easy migration from 10GbE to 40GbE or 100GbE
- Pulling eyes are provided as an option to protect the fiber ends during installation

## Technical Specification

Construction	Description
Fiber Count	8-144 Fibers
Fiber Mode	Single mode: OS2 9/ 125 $\mu$ m Multimode: OM4 50/ 125 $\mu$ m, OM3 50/ 125 $\mu$ m
Fiber Brand	Corning ClearCurve® multimode fiber and SMF-28® Ultra optical fiber
Connector Type	MTP Female, Male; MPO Female, Male
Connector Brand	US Conec MTP®, Senko MPO
Polarity	Type A, Type B, Type C
Cable Jacket Ratings	Plenum (OFNP) Low Smoke Zero Halogen (LSZH) Riser (PVC)
Cable Type	Bunch

Color Codes	MTP	MPO
Cable Jackets	OS2: Yellow  OM4: Magenta  OM3: Aqua	OS2: Yellow  OM4: Magenta  OM3: Aqua
Connectors	OS2: Green  OM4/OM3: Aqua	OS2: Green  OM4/OM3: Aqua
Boots	8 Fibers: Grey  12 Fibers: Black  24 Fibers: Red	8/ 12/24 Fibers: Black

Physical Properties	Description
Cable Diameter	3.0mm
Breakout Length	0.5/ 1/2/3....M
Minimum Bend Radius	Single Mode: 10.0mm, Multimode: 7.5mm
Operating Temperature	-10° C to +70° C
Storage Temperature	-40° C to +85° C

Optical Properties	Description
Attenuation (dB/km)	Single Mode: $\leq 0.32$ at 1310nm, $\leq 0.18$ at 1550nm Multimode: $\leq 2.3$ at 850nm, $\leq 0.6$ at 1300nm
Insertion Loss (dB)	Single Mode: $\leq 0.35$ , Multimode: $\leq 0.35$
Return Loss (dB)	Single Mode: UPC Polish: $\geq 50$ , APC Polish: $\geq 60$ Multimode: $\geq 25$
Wavelength (nm)	Single Mode: 1310/ 1550, Multimode: 850/ 1300
Transmission Distance	OM4: 150m at 40/ 100G, 400m at 10G OM3: 100m at 40/ 100G, 300m at 10G