



Reversible MPO Cable Assemblies

Reversible MPO cable assemblies utilize the MTP® PRO connector and offer a simple and reliable method to change polarity and gender in the field. With multiple methods for maintaining polarity and no standard for pinned versus unpinned MPO connectors, an endless number of scenarios may be encountered. Field-configurable polarity and gender saves time, requires less planning, eliminates errors and reduces expensive cabling inventory.

Specifications

PARAMETER	SINGLE-MODE ASSEMBLIES					MULTIMODE ASSEMBLIES		
	LC		SC		MPO	LC	SC	MPO (LOW LOSS)
	ULTRA	ANGLED	ULTRA	ANGLED	ANGLED			
Insertion Loss (Typical dB)***	0.15	0.15	0.15	0.15	0.35	0.15	0.15	0.15
Insertion Loss (Maximum dB)	0.3	0.3	0.3	0.3	0.75	0.5	0.5	0.2
Return Loss (Typical dB)***	-60	-70	-60	-70	-65	-35	-35	-30
Return Loss (Minimum dB)	-55	-65	-55	-65	-55	-30	-30	-20
Temperature Range (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +75	-40 to +85	-40 to +85	-40 to +75
Durability Cycles	500	500	500	500	200	500	500	200

*** Typical values based on equal quality connectors.

Features

- MPO connector with field-reversible polarity and gender using Field Tool
- Polarity Change
 - No housing removal necessary
 - Simple insertion into the polarity change port reverses polarity
 - Both keys are permanently mounted into the MPO housing
- Gender Change
 - Robust pin change tool for easy change process
 - No handling of loose pins
- Single-mode and laser-optimized multimode fiber available
- Pulling eye option available upon request
- Cable tested to meet or exceed EIA/TIA 568-A/GR-409-CORE
- Telcordia® GR-326/GR-1435 compliant connectors

Applications

- Data center systems wiring
- MPO-MPO or MPO-Fanouts
- Head-end termination to a fiber "backbone"
- Termination of fiber rack systems
- Multi-floor deployment
- Intrabuilding "backbones"