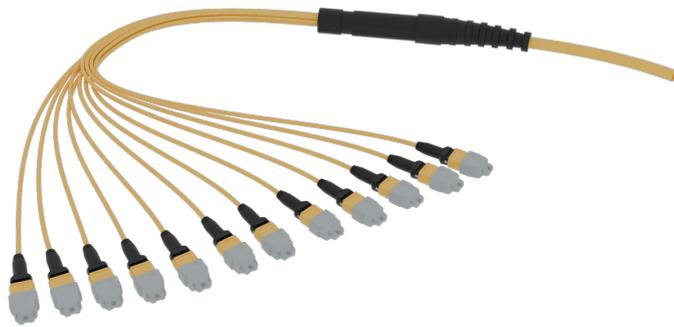




144F Pre-Terminated MTP®|MPO Breakout Assembly



12 Port MTP® to MTP® SM



144F Pre-Terminated
MTP®|MPO to MTP®|MPO

Overview

SpliceGroup™ offers a comprehensive range of high-performance MTP® / MPO assemblies engineered to deliver reliable interconnects in data centres and enterprise networks. Designed to support parallel optical transmission, they are ideal for high-speed applications.

Manufactured using CPR and Plenum rated cable for enhanced safety in indoor environments, SpliceGroup™ MTP® / MPO assemblies are available in both single-mode and multimode fibre types to meet varying performance and distance requirements.

All MTP® / MPO assemblies are factory-terminated with precision-polished MTP® / MPO connectors and tested to Grade B performance for low insertion loss, repeatability, and dependable optical transmission quality.

Available in 12-288-fibre configurations to support a wide range of network architectures.

Main Features

- Optimised for high-speed 100G+ data centre applications
- CPR and plenum-rated cable construction for enhanced indoor safety
- Factory-terminated and Grade B tested for consistent, low-loss performance
- Precision-polished MTP® connectors ensuring accurate fibre alignment
- Available in single-mode and multimode (OM4) fibre options
- Scalable designs from 12 to 288 fibres to support flexible network architectures.

Specifications

Parameter	Performance	Specified Brand
MTP®	IEC 61754-7 [EIA/TIA-604-5, FOCIS 5]	US Conec MTP Elite®
MPO	High Performance MPO	Senko MPO Super Low Loss

Optical Performance

Fibre Type / Termination Type	Single Mode	Multimode	Related Standard
Insertion Loss (Max)	≤0.35dB	≤0.35dB	IEC 61300-3-4 Method B: [850nm/1310nm/1550nm]
Insertion Loss (Typical)	≤0.15dB	≤0.25dB	IEC 61300-3-4 Method B: [850nm/1310nm/1550nm]
Repeatability / Durability	±0.30dB / 500 matings		IEC 61300-2-2
Return Loss (Back Reflection)	APC ≥60dB	UPC ≥35dB	IEC 61300-3-6
Operating Temperature	-40°C - +80°C		

Material

Fibre Type / Termination Type	Single Mode	Multimode	Related Standard / Brand
Connector	Yellow Green	Aqua Magenta Lime Green	100% RoHs Compliant: UL94 Vo
Ferrules	Polyphenylene Sulfide (PPS)		As per Connector Brand
Optical Fibre	G657A1	OM3, OM4, OM5	Corning, YOFC
Ruggedised Outer Jacket	Yellow	Aqua Magenta Lime Green	

No Modification can be made to this assembly without written instruction from SpliceGroup™ Ltd. SpliceGroup™ Ltd cannot guarantee the number of matings and the resulting performance of the assembly due to the possible deterioration as a result of handling. Customers are advised to follow strict handling guidelines paying specific attention to cleaning procedures for fibre optic components.

