

Overview

SpliceGroup™ offers a comprehensive range of high-performance MTP® patchcords 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 Low Smoke Zero Halogen (LSZH) cable for enhanced safety in indoor environments, SpliceGroup™ MTP® patchcords are available in both single-mode and multimode (OM4) fibre types to meet varying performance and distance requirements.

All our patchcords are factory-terminated with precision-polished MTP® connectors and tested to Grade B performance for low insertion loss, repeatability, and dependable optical transmission quality. They are available in 12-fibre, 16-fibre, and 24-fibre configurations to support a wide range of network architectures.

Main Features

- Suitable for high-speed applications such as 40G, 100G and beyond
- Manufactured with Low Smoke Zero Halogen (LSZH) cable jacket
- Factory-terminated and tested to Grade B performance
- Precision-polished MTP® connectors for accurate fibre alignment
- Available in single-mode and multimode (OM4) fibre types
- Available in 12-fibre, 16-fibre and 24-fibre configurations



12F MTP® to MTP® OM4



12F MTP® to MTP® SM

Specifications

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

Optical Performance		
Insertion Loss (Max)	SMode ≤0.35dB, MMode ≤0.35dB	IEC 61300-3-4 Method B: [850nm/1310nm/1550nm]
Insertion Loss (Typical)	SMode ≤0.20dB, MMode ≤0.20dB	IEC 61300-3-4 Method B: [850nm/1310nm/1550nm]
Repeatability / Durability	±0.30dB / 500 matings	IEC 61300-2-2
Return Loss (Back Reflection)	UPC ≥30dB, APC ≥60dB	IEC 61300-3-6
Operating Temperature	-40°C - +80°C	

Production Tests Required		
Insertion Loss	SMode $\leq 0.35\text{dB}$, MMode $\leq 0.35\text{dB}$	SMode 100% @1550nm MMode 100% @850nm
Visual Inspection	Zero Scratch	100% @ x200 Magnification
End Face Symmetry	IEC 61755-3-3 and 61755-3-4	100% Batch

Material		
Connector	OM4 - Magenta, SM - Yellow	100% RoHs Compliant: UL94 Vo
Ferrules	PPS	As per Connector
Optical Fibre - Multimode	OM4 - 10G@850nm over 500m [1G@1300nm over 1100m]	Corning OM4 Clearcurve
Optical Fibre - Singlemode	G657A1	Corning SMF-28
Secondary Coating	Ribbon Forma / 12F Primary Coated / 24F Primary Coated	
Ruggedised Outer Jacket	3mm & 4mm LSZH Mini-Core / 3mm Tuffnut	OM4: H-Violet / SM: Yellow
Dust cap	Black	As per Connector

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.