

MTP Y Breakout Fiber Cable

Product Overview

The MTP Y Breakout Cable is designed for high-density fiber connectivity in data center and telecom environments. It enables a single multi-fiber MTP/MPO connector to split into multiple MTP/MPO connectors, supporting flexible fiber routing and structured cabling architectures.

This cable supports single-mode and multimode fiber types, offering low insertion loss and high reliability. It is suitable for parallel optical transmission applications such as 40G, 100G, and 400G networks.

Product Features

- High-density MTP/MPO breakout design
- Supports single-mode (OS2) and multimode (OM1-OM4) fibers
- Ultra-low loss or standard loss MTP connectors
- High repeatability and interchangeability
- Excellent durability for data center environments
- Suitable for parallel optical transceiver connectivity
- Available in flat or round cable construction



Applications

- 100G PSM4 optical connectivity
- Parallel fiber data center networks
- High-density optical breakout
- Switch-to-switch fiber connectivity
- Spine-leaf data center architectures



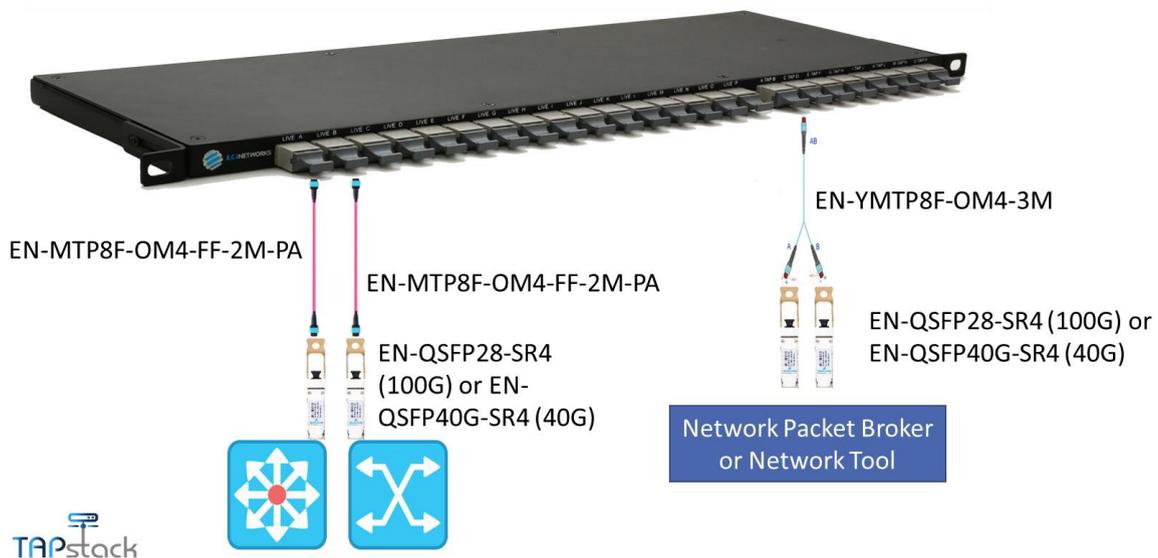
Technical Specifications

Parameter	Specification
Connector A	1 × MTP-8 Female
Connector B	2 × MTP-4 Female
Operating Wavelength (nm)	SM: 1310 / 1550 nm MM: 850 / 1300 nm
Fiber Type	SM: OS2, G652, G657 MM: OM1, OM2, OM3, OM4
Fiber Count	8 Fibers
Polarity	Type B
Breakout Length	0.5 m
Cable Length	xx m
Jacket Type	LSZH
Insertion Loss (dB)	Ultra Low Loss MTP: ≤ 0.35 dB (SM), ≤ 0.30 dB (MM) Standard MTP: ≤ 0.70 dB (SM), ≤ 0.60 dB (MM)
Return Loss (dB)	UPC ≥ 25 dB APC ≥ 60 dB
Cable Type (1×2)	Flat cable or Round cable
Repeatability	≤ 0.10 dB
Interchangeability	≤ 0.20 dB
Durability	≥ 600 mating cycles
Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +85°C

Connectivity example

40G/100G MPO/MTP Parallel TAP Connectivity example

EN-TPSTCK8L100G-M73





Ordering information

Part Number	Description
EN-YMTP8F-OM4-xxM	Y Cable, 1×MTP-8 Female to 2×MTP-4 Female, OM4 Multimode Fiber, Polarity B, Breakout Length 0.5 m, Cable Length xx in meters
EN-YMTP8F-SM-xxM	Y Cable, 1×MTP-8 Female to 2×MTP-4 Female, Single Mode (OS2), Polarity B, Breakout Length 0.5 m, Cable Length xx in meters

Custom Options

The following options are available upon request:

- Fiber type: **OS2 / OM1 / OM2 / OM3 / OM4**
- Connector gender: **Male / Female**
- Cable length
- Breakout length
- Cable type: **Flat or Round**
- Connector type: **UPC / APC**
- Polarity: **Type A / Type B / Type C**



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For further information



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