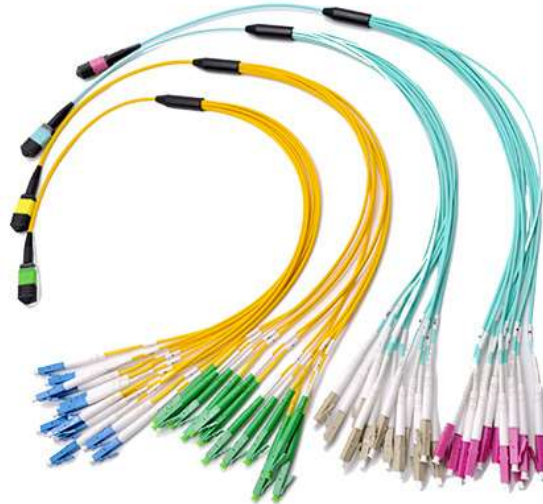


MTP/MPO Breakout Cable Datasheet

IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM

Designed for Storage Area Network (SAN) , Local Area Network (LAN) switch, Equipment Distribution Area (EDA) patch field applications.



MTP/MPO Breakout Cable

MTP/MPO breakout assemblies are used in parallel optics and duplex transmission cross connect systems to increase cable density between switch and server cabinets. Designed for high-density fiber patching in data centers, they ensure peak performance throughout your local area network. Allow for rapid deployment of high-density, multi-port patch field connectivity for Storage Area Network (SAN) applications.

Standards Compliance



Features

- 1.High quality imported MPO Plus premium connector
- 2.0.35dB elite low loss connector
- 3.Factory terminated and tested
- 4.OS2, OM4, OM3 available
- 5.Corning Clearcurve multimode fiber, SMF-28 Ultra optical fiber
- 6.Custom staggering options available on tails
- 7.LC, SC, FC, ST connectors available
8. Pulling eyes are provided as an option to protect the fiber ends during installation

Technical Specification

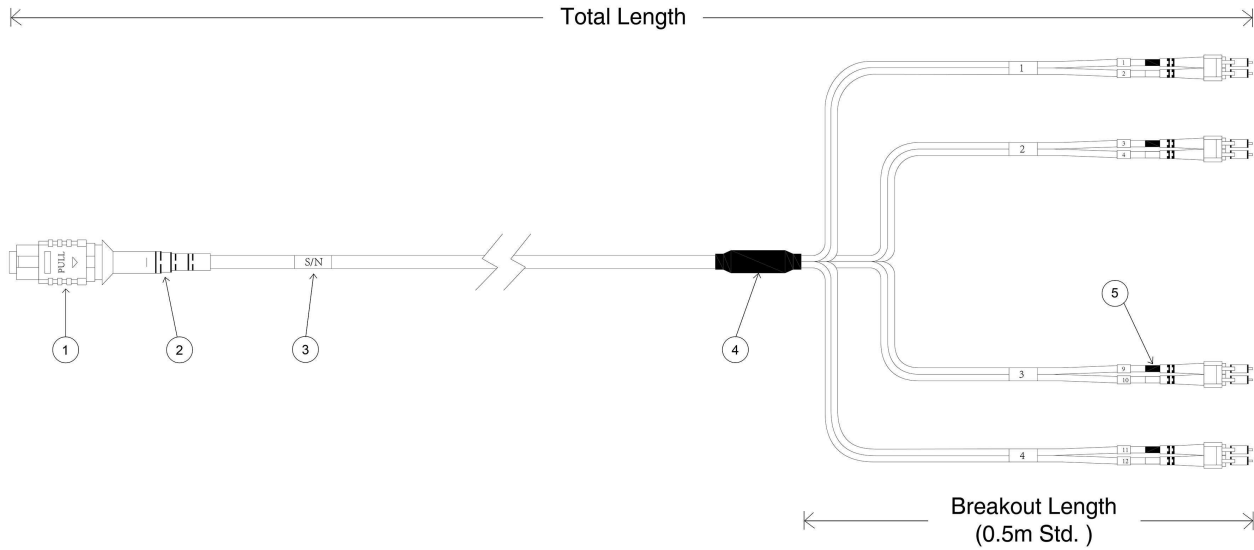
Construction	Description	
Wavelength (nm)	Single Mode: 1310/1550 Multimode: 850/1300	
Transmission Distance	OM4: 150m at 40/100G, 400m at 10G OM3: 100m at 40/100G, 300m at 10G	
Connector	MTP/MPO	
Fiber Mode	Single Mode	Multimode
Attenuation (dB/km)	≤0.32 at 1310nm ≤0.18 at 1550nm	≤2.3 at 850nm ≤0.6 at 1300nm
Insertion Loss (dB)	≤0.35/0.7	≤0.35/0.7
Return Loss (dB)	APC: ≥60, UPC: ≥50	UPC: ≥20
Connector	LC/SC/FC/ST	
Fiber Mode	Single Mode	Multimode
Insertion Loss (dB)	APC: ≤0.3, UPC: ≤0.2	UPC: ≤0.2
Return Loss (dB)	APC: ≥60, UPC: ≥50	UPC: ≥30

Technical Specification

Construction	Description
Fiber Count	8-144 Fibers
Fiber Mode	Single Mode: OS2 9/125μm Multimode: OM4 50/125μm, OM3 50/125μm
Fiber Brand	Corning multimode fiber and SMF-28 Ultra optical fiber
Connector A	MTP Female, Male; MPO Female, Male
Cable Jacket Ratings	LSZH,PVC
Connector B	LC, SC, FC, ST
Polarity	TypeA, Type B, Type C

Color Codes	MTP	MPO	LC
Cable Jackets	OS2: Yellow OM4: Magenta OM3: Aqua	OS2: Yellow OM4: Magenta OM3: Aqua	OS2: Yellow OM4: Magenta OM3: Aqua
Connectors	OS2: Green OM4/OM3: Aqua	OS2: Green OM4/OM3: Aqua	Single Mode: UPC Blue, APC Green Multimode: Beige
Boots	8 Fibers: Grey 12 Fibers: Black 24 Fibers: Red	8/12/24 Fibers: Black	Single Mode: UPC Blue, APC Green Multimode: Beige

Technical Drawing



1. MTP/MPO Connector

2. Connector Boot

3. Serial Number Label

4. Fan Out Kit

5. Duplex LC

