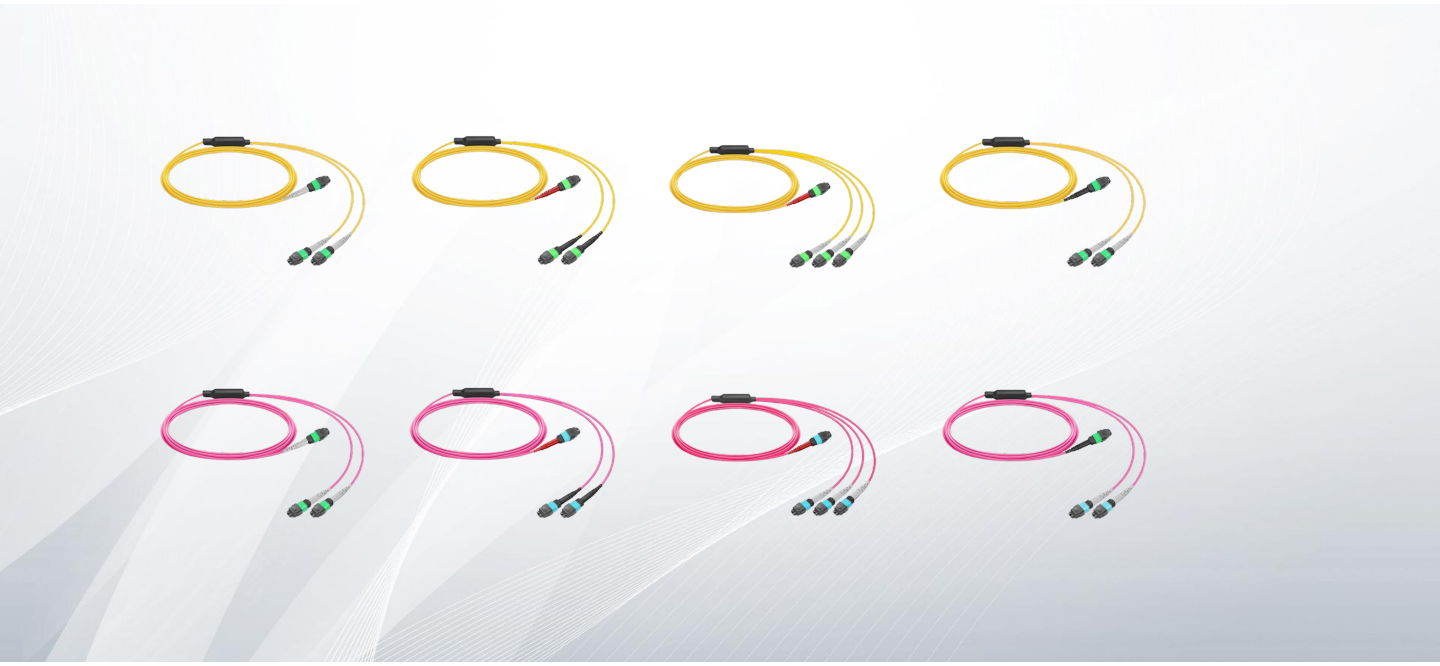
MTP®/MPO Breakout Cables

IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM



MTP®/MPO Breakout Cables

MTP® breakout cable is designed to provide a more flexible multi-fiber cabling system based on MTP® products. Unlike MTP® harness cable, MTP® breakout cables are terminated with MTP® connectors on both ends, can provide more possibilities for the existing 8/16/24 fiber cabling system.

Note: The product's polarity is not defined, but the common line sequence type can refer to the Datasheet. Meanwhile, you can contact your Account Manager to customize other line sequences.

Features

- US Conec MTP® Connector with Optimal 0.35dB Low IL
- Bend Insensitive Fiber with 7.5mm Min. Bend Radius
- G.657.A1 with 10mm Min. Bend Radius
- Available in OFNP, LSZH and OFNR/LSZH Fire Rating
- Factory Terminated and Tested

Standards Compliance

- RoHS, CE (EN 50575 CPR) and ISO9001 Compliant
- IEC61754-7
- TIA 605-4 (FOCIS-5)

Technical Specification

Construction	Description
Fiber Count	8/16/24 Fibers
Fiber Mode	Single Mode: OS2 9/125μm Multimode: OM4/OM3 50/125μm
Glass Fiber	OS2: G.657.A1 OM4/OM3: Bend Insensitive Fiber
Connector Type	MTP® Female/Male
Connector Brand	US Conec MTP®
Connector Keyway	Up to Down
Cable Jacke	Plenum (OFNP) LSZH Dual Rated (OFNR/LSZH)
Cable Type	Bunch/Ribbon

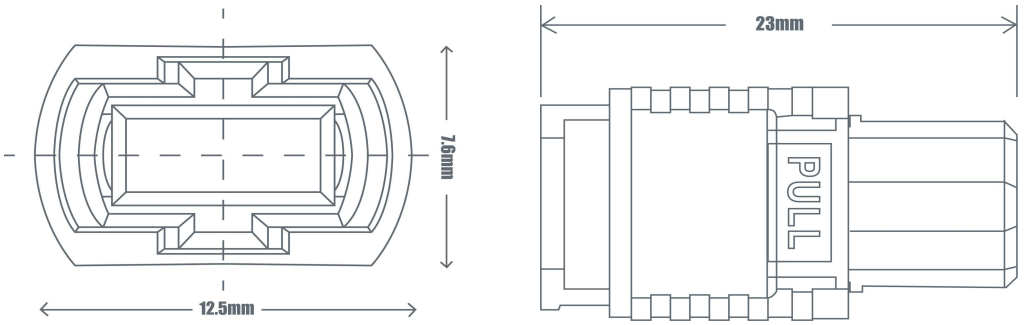
Color Codes	MTP®
Cable Jacket	OS2: Yellow OM4: Magenta OM3: Aqua
Housing	OS2: Green/Aqua OM4/OM3: Aqua/Green
Boot	MTP-4/8: Gray MTP-12/16: Black MTP-24: Red

Technical Specification

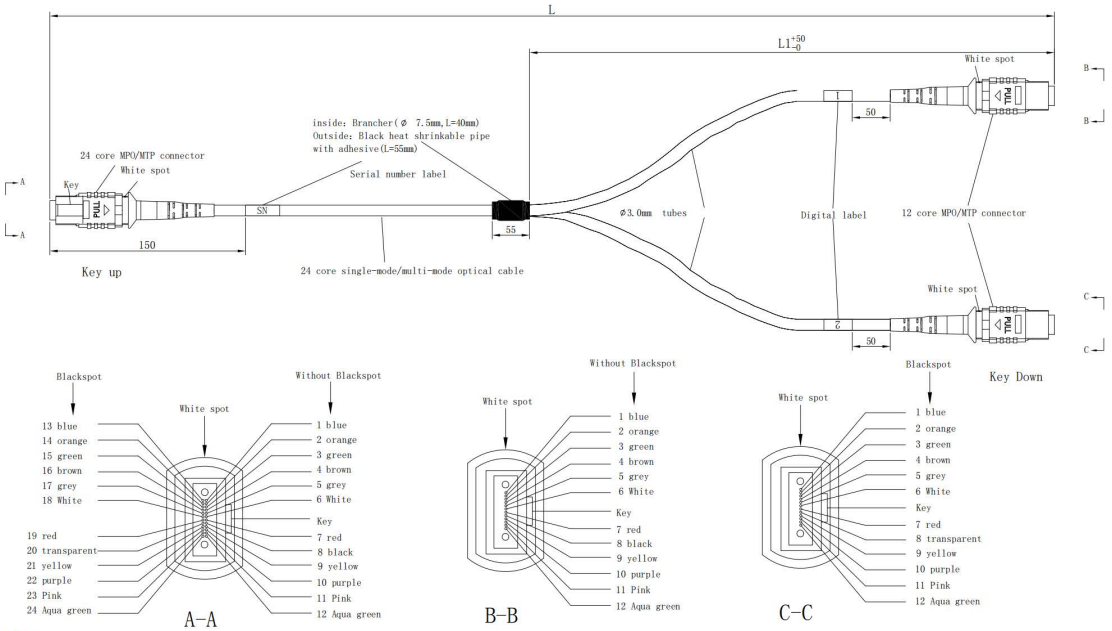
Physical Properties	Description
Cable Diameter	3.0mm
Breakout Length	8 Fibers: Total Length-0.2m 16/24 Fibers: 0.5m
Minimum Bend Radius	OS2: 10.0mm OM4/OM3: 7.5mm
Operating Temperature	Plenum (OFNP)/Dual Rated (OFNR/LSZH): -10 to 60°C (14 to 140°F) LSZH: -10 to 70°C (14 to 158°F)
Storage Temperature	Plenum (OFNP)/Dual Rated (OFNR/LSZH): -10 to 70°C (14 to 158°F) LSZH: -20 to 70°C (-4 to 158°F)

Optical Properties	Description
Attenuation (dB/km)	OS2: ≤0.35 at 1310nm, ≤0.21 at 1550nm OM4/OM3: ≤2.3 at 850nm, ≤0.6 at 1300nm
Insertion Loss (dB)	Elite: ≤0.35 Standard: ≤0.75/0.6 (OS2/OM4)
Return Loss (dB)	OS2: ≥60 OM4/OM3: UPC≥20/27, APC≥45
Wavelength (nm)	OS2: 1310/1550 OM4/OM3: 850/1300

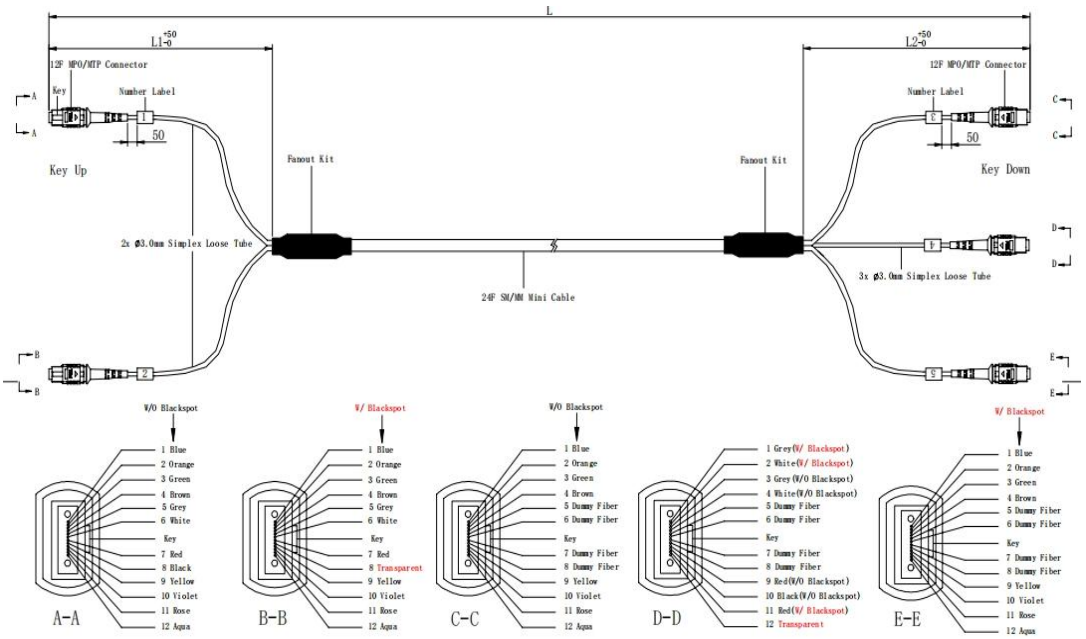
Technical Drawing



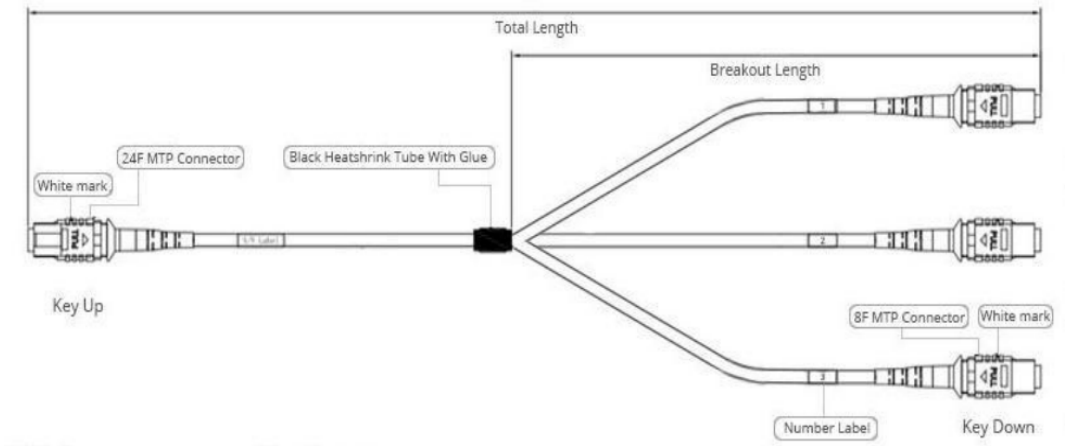
MTP-24 to 2x MTP-12

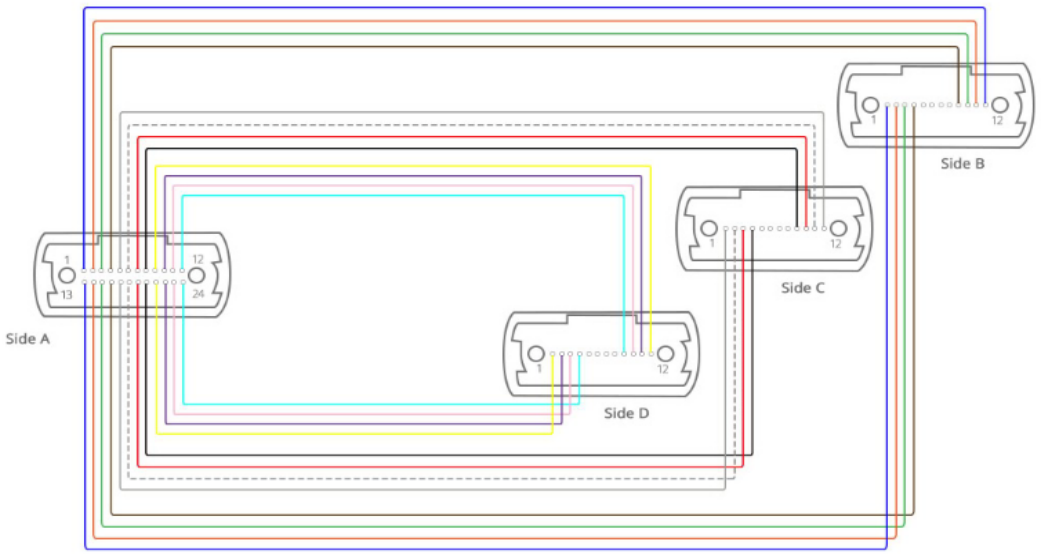


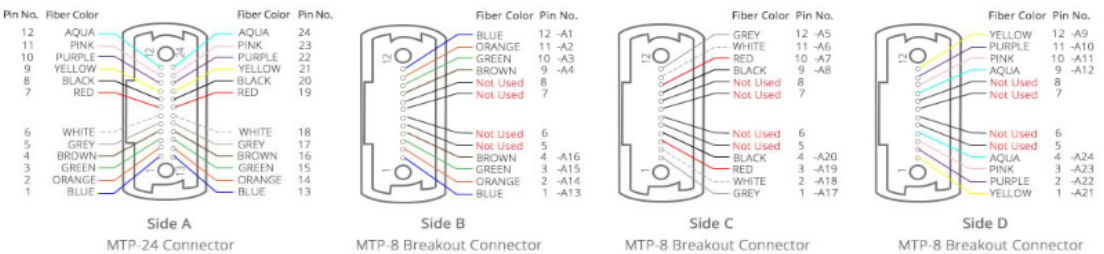
2x MTP-12 to 3x MTP-8



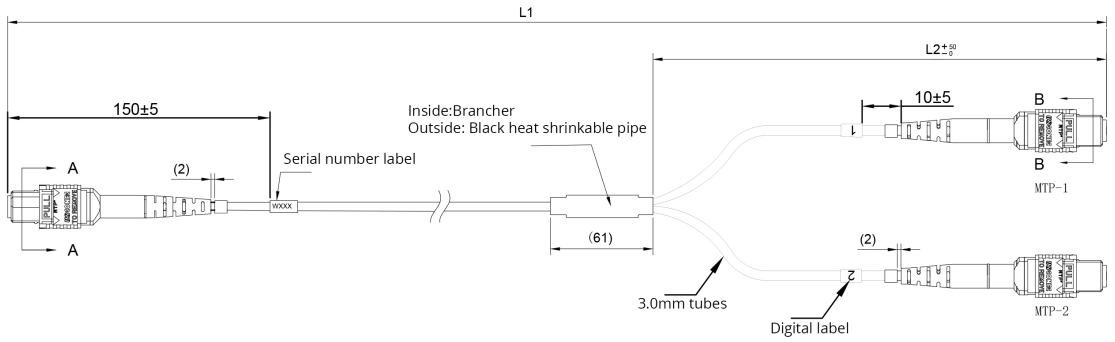
MTP-24 to 3x MTP-8

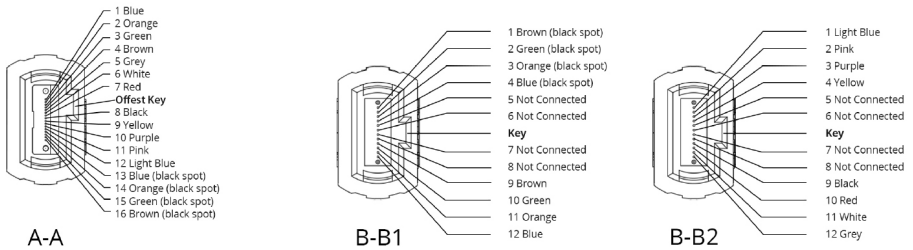




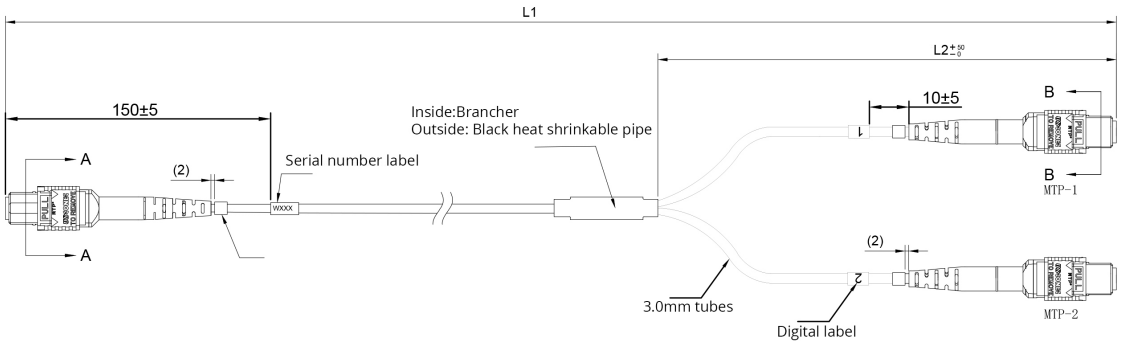


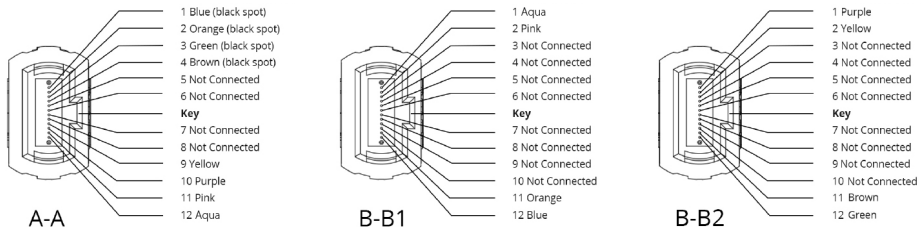
MTP-16 to 2x MTP-8





MTP-12 to 2x MTP-4





Fiber Optic Cleaning

US Conec IBC™ MPO Connectors Cleaner



Characteristics

- For cleaning ferrules pinned or non-pinned.
- Designed for cleaning the ferrule end-faces of MTP®/MPO connectors.
- Narrow design reaches tightly spaced MTP®/MPO adapters.
- Cost effective tool for cleaning fiber end-faces without the use of alcohol.

NEOCLEAN®-R2 Fiber Optic Cassette Cleaner



Characteristics

- Effective on a variety of contaminates including dust and oils.
- Widely used in optical network maintenance, engineering or equipment
- Cassette tapes are available for replacement after 400+ cleaning operations to ensure low cleaning cost.

ID	Description
#106327	US Conec IBC™ Brand Cleaner MPO II, for 8/12/24 Fibers MPO Connectors (525+ Times)
#106397	US Conec IBC™ Brand Cleaner MTP®-16, for 16 Fibers MPO Connectors (525+ Times)
#91449	NEOCLEAN®-R2 Fiber Optic Cassette Cleaner for SC/FC/ST/LC/MPO Connectors (400+ Times)

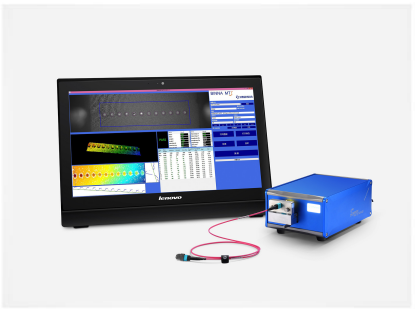
Test Center

Comprehensive performance testing system ensures more secure operation and keeps more stable and reliable data connection. 3D interferometer provides verification of MTP®/MPO polishing process, and making all parameters of the polished MT ferrule complies and exceeds industry standards. Clean optical connectors are paramount in providing a reliable, high-performance fiber optic infrastructure.

Professional Test Equipment



Test Assured Program



3D Interferometer Test



End-Face Inspection



Test Report of IL & RL