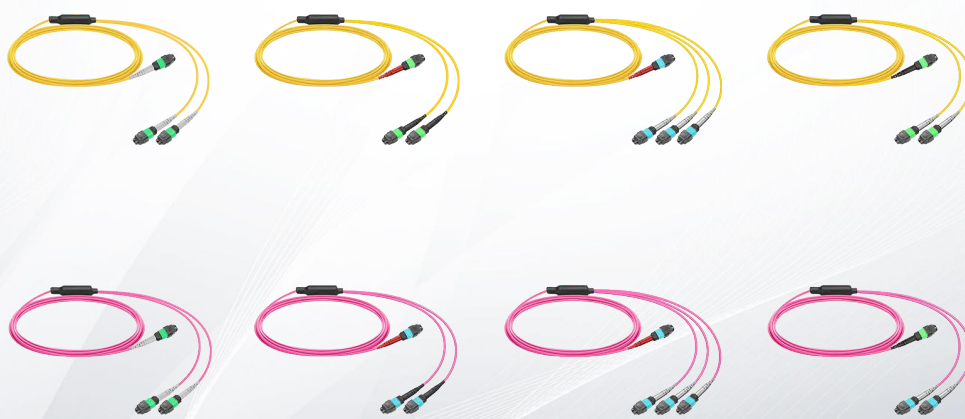


MTP®/MPO Conversion Cables

IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM



MTP®/MPO Conversion Cables

MTP® conversion cable is designed to provide a more flexible multi-fiber cabling system based on MTP® products. Unlike MTP® harness cable, MTP® conversion cables are terminated with MTP® connectors on both ends, can provide more possibilities for the existing 12/16/24 fiber cabling system.

Standards Compliance

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

Features

- US Conec MTP® connector
- SMF-28® Ultra optical fiber, Corning Clearcurve® OM4 fiber
- OS2, OM4 available
- 0.35dB elite low loss connector
- Cable Jacket Available in OFNP and LSZH Fire Rating
- Factory terminated and tested

Technical Specification

Construction	Description
Fiber Count	12/16/24 Fibers
Fiber Mode	Single Mode: OS2 9/125µm Multimode: OM4 50/125µm
Fiber Brand	OS2: SMF-28® Ultra optical fiber OM4: Corning ClearCurve® fiber
Connector Type	MTP® Female/Male
Connector Brand	US Conec MTP®
Connector Keyway	Up to Down
Cable Jacket Ratings	Plenum (OFNP) Low Smoke Zero Halogen (LSZH)
Cable Type	Bunch/Ribbon

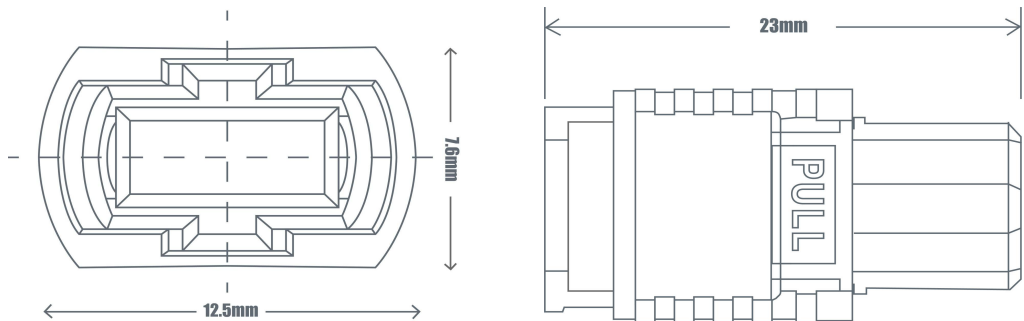
Color Codes	MTP®
Cable Jackets	OS2: Yellow OM4: Magenta
Connectors	OS2: Green/Aqua OM4: Aqua/Green
Boots	OS2: Black/Gray/Red OM4: Black/Gray/Red

Technical Specification

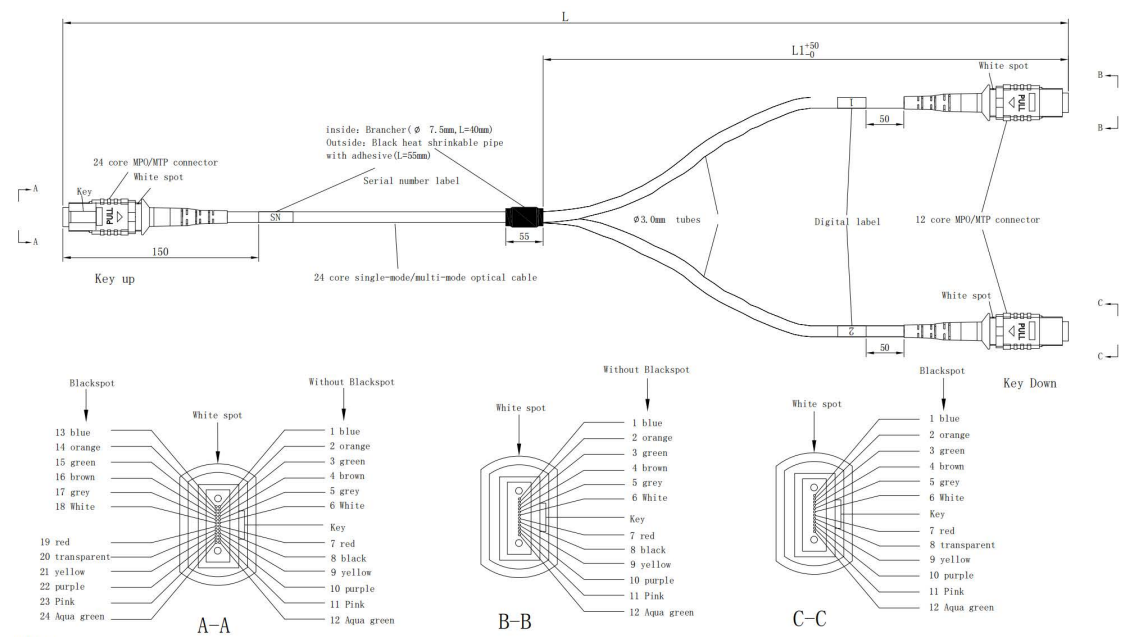
Physical Properties	Description
Cable Diameter	3.0mm
Breakout Length	0.5m
Minimum Bend Radius	OS2: 10.0mm OM4: 7.5mm
Operating Temperature	-10°C to 70°C (14 to 158°F)
Storage Temperature	-40°C to 85°C (-40 to 185°F)

Optical Properties	Description
Attenuation (dB/km)	OS2: ≤0.32 at 1310nm, ≤0.18 at 1550nm OM4: ≤2.3 at 850nm, ≤0.6 at 1300nm
Insertion Loss (dB)	OS2: ≤0.35/0.75 (Elite/Standard) OM4: ≤0.35/0.6 (Elite/Standard)
Return Loss (dB)	OS2: ≥60 OM4: ≥20
Wavelength (nm)	OS2: 1310/1550 OM4: 850/1300

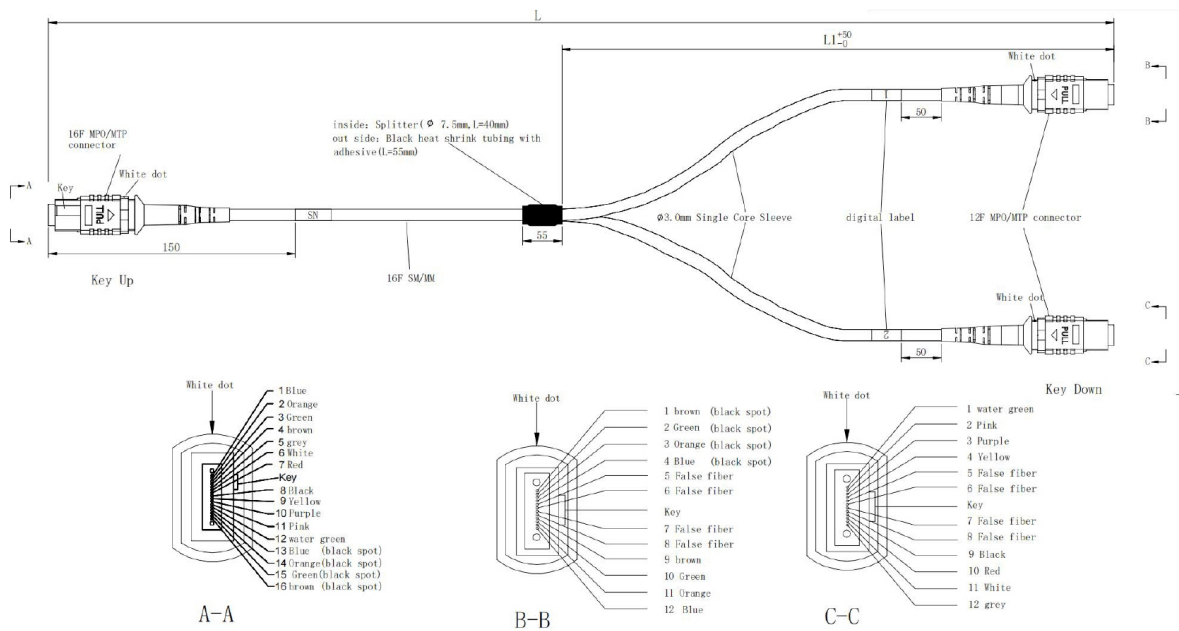
Technical Drawing



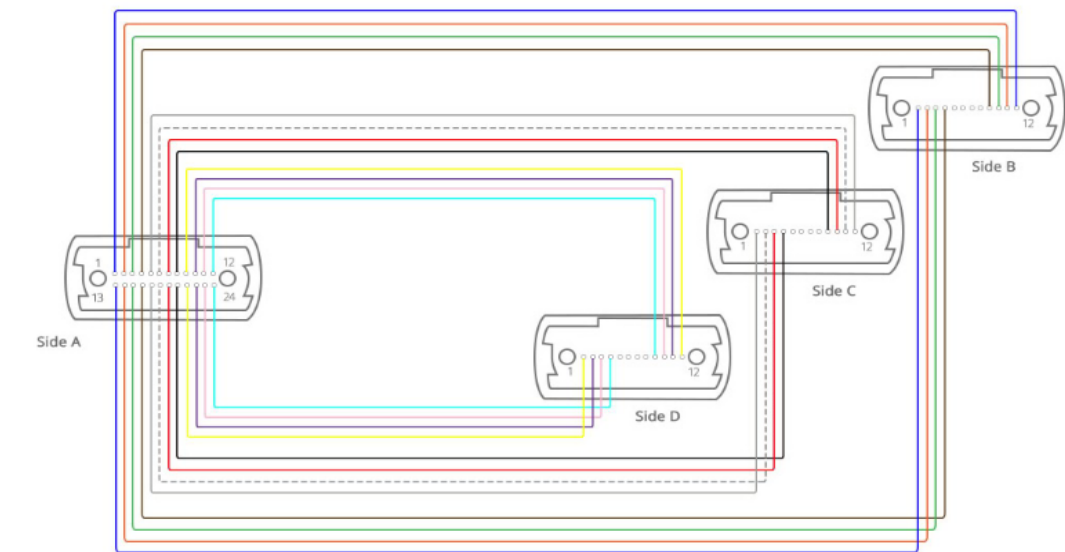
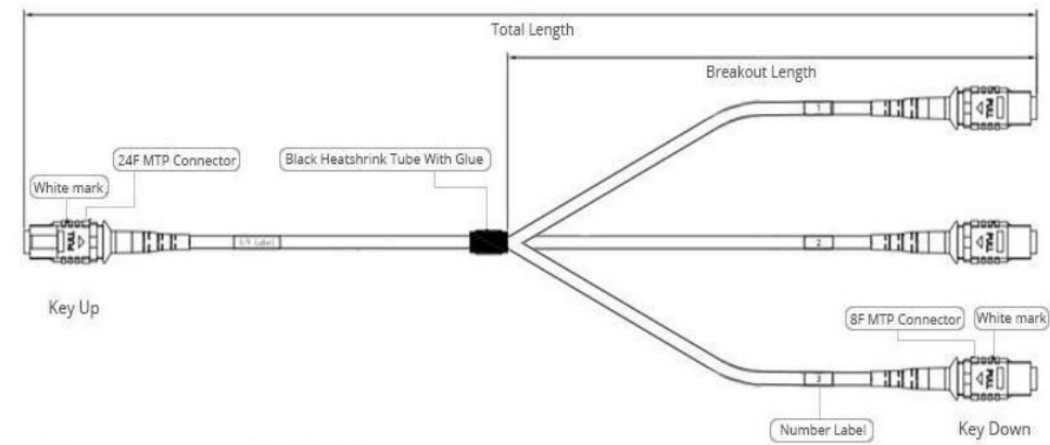
MTP-24 to 2x MTP-12



Customized MTP-16 to 2x MTP-8



MTP-24 to 3x MTP-8



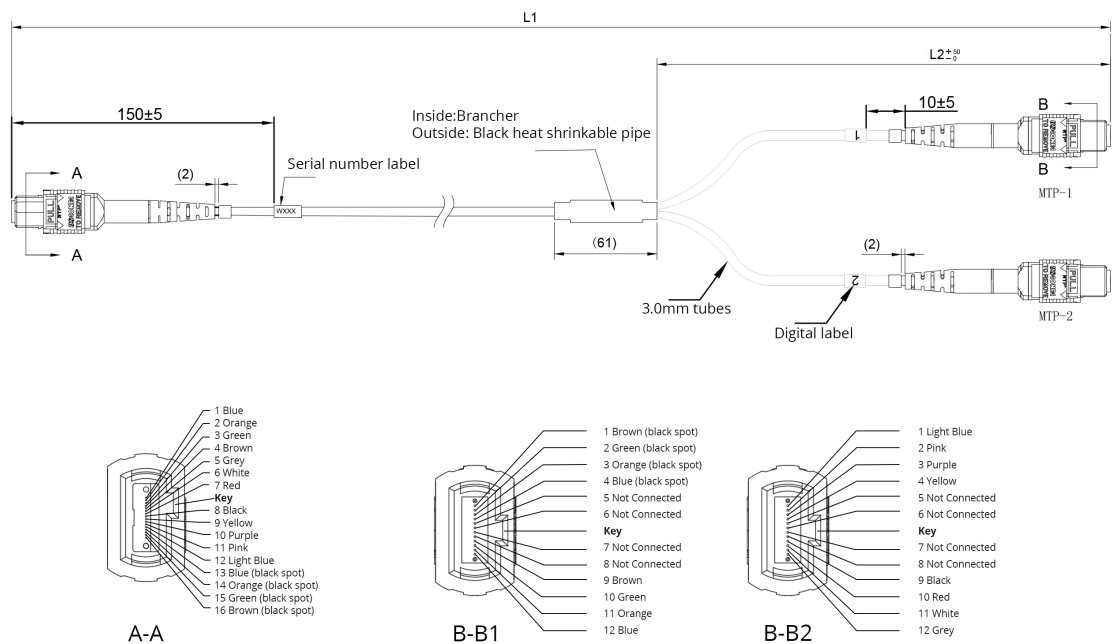
Pin No.	Fiber Color	Pin No.	Fiber Color	Pin No.	Fiber Color	Pin No.	Fiber Color
12	AQUA	24	AQUA	12	-A1	12	-A5
11	PINK	23	PINK	11	-A2	11	-A6
10	PURPLE	22	PURPLE	10	-A3	10	-A7
9	YELLOW	21	YELLOW	9	-A4	9	-A8
8	BLACK	20	BLACK	8	Not Used	8	Not Used
7	RED	19	RED	7	Not Used	7	Not Used
6	WHITE	18	WHITE	6	Not Used	6	Not Used
5	GREY	17	GREY	5	Not Used	5	Not Used
4	BROWN	16	BROWN	4	-A16	4	-A20
3	GREEN	15	GREEN	3	-A15	3	-A19
2	ORANGE	14	ORANGE	2	-A14	2	-A18
1	BLUE	13	BLUE	1	-A13	1	-A17

Pin No.	Fiber Color	Pin No.	Fiber Color
12	-A1	12	-A9
11	-A2	11	-A10
10	-A3	10	-A11
9	-A4	9	-A12
8	Not Used	8	Not Used
7	Not Used	7	Not Used
6	Not Used	6	Not Used
5	Not Used	5	Not Used
4	-A16	4	-A24
3	-A15	3	-A23
2	-A14	2	-A22
1	-A13	1	-A21

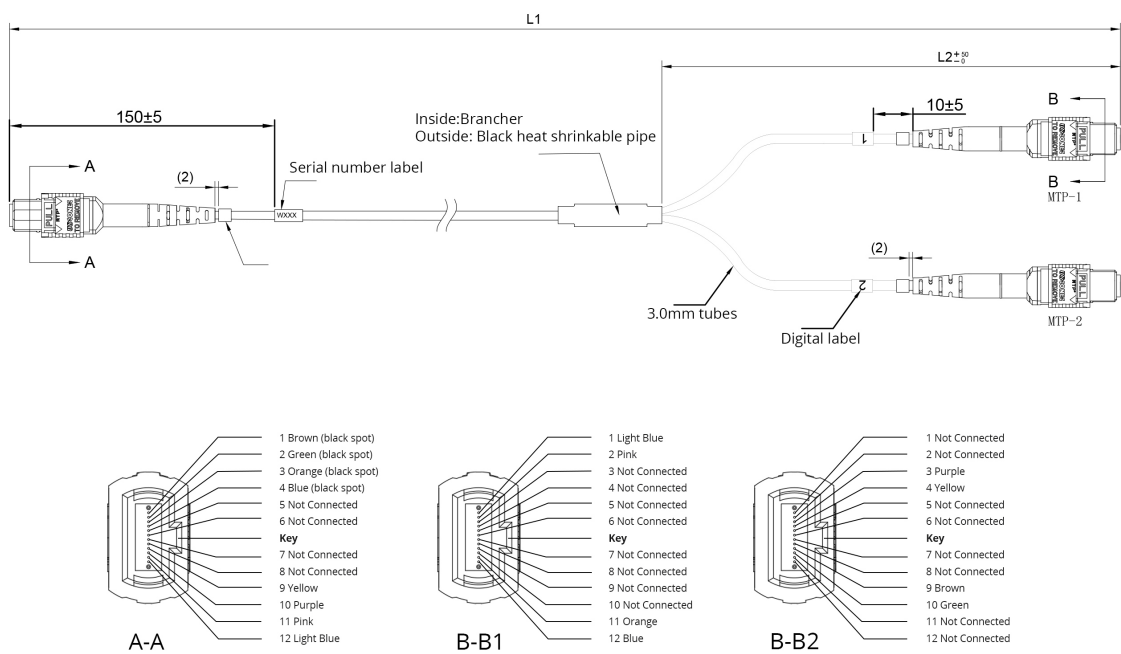
Pin No.	Fiber Color	Pin No.	Fiber Color
12	-A5	12	-A9
11	-A6	11	-A10
10	-A7	10	-A11
9	-A8	9	-A12
8	Not Used	8	Not Used
7	Not Used	7	Not Used
6	Not Used	6	Not Used
5	Not Used	5	Not Used
4	-A20	4	-A24
3	-A19	3	-A23
2	-A18	2	-A22
1	-A17	1	-A21

Pin No.	Fiber Color	Pin No.	Fiber Color
12	-A5	12	-A9
11	-A6	11	-A10
10	-A7	10	-A11
9	-A8	9	-A12
8	Not Used	8	Not Used
7	Not Used	7	Not Used
6	Not Used	6	Not Used
5	Not Used	5	Not Used
4	-A20	4	-A24
3	-A19	3	-A23
2	-A18	2	-A22
1	-A17	1	-A21

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 contaminants 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)

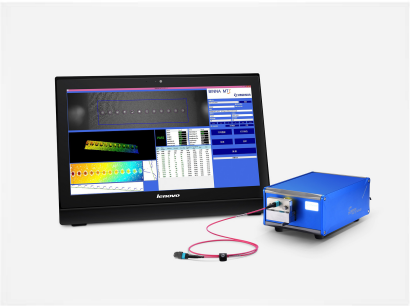
Test Center

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

12F MTP-MPO Trunk Cable

Serial:

MTP-MPO Trunk Cable Type B

Lot No:

12F-MTP-MPO-001

PIN:

12F-MTP-MPO

Manufacture:

12F-MTP-MPO

Wavelength:

1550nm

Connector:

MTP-MPO

MTP-MPO

Channel:

Color

IL(dB)

RL(dB)

IL(dB)

RL(dB)

1

Blue

0.08

-27

0.07

-28

2

Orange

0.08

-27

0.08

-28

3

Green

0.10

-26

0.07

-27

4

Brown

0.07

-26

0.14

-26

5

Black

0.10

-27

0.11

-26

6

White

0.12

-26

0.11

-26

7

Red

0.07

-26

0.07

-26

8

Black

0.10

-27

0.09

-26

9

Yellow

0.09

-27

0.10

-27

10

Orange

0.08

-27

0.11

-26

11

Blue

0.08

-26

0.08

-26

12

Black

0.10

-26

0.07

-26

Test Report of IL & RL