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Multi-fiber Cable Assemblies



High Connectivity Assemblies

MTP to MTP Assemblies



MTP to MTP Assemblies



Fiber Count :	8, 12 or 24
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 or 24 MTP connector
Connector Type Side B :	12 or 24 MTP connector
Cable Diameters :	3.0 mm; 8, 12 or 24 FO 3.6 mm; 12 or 24 FO

MTP to 8xLC Fan-out (1.8mm) Assemblies



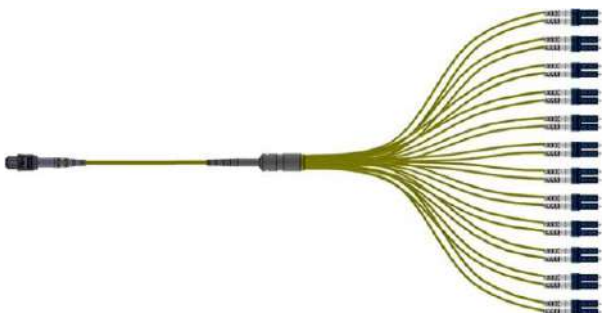
Fiber Count :	8
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 MTP connector
Connector Type Side B :	4xLC Duplex or 4xLC Uniboot
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter:	1.8 mm; LC Side (Fan-out)

MTP to 12xLC Fan-out (1.8mm) Assemblies



Fiber Count :	12
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 MTP connector
Connector Type Side B :	6xLC Duplex or 6xLC Uniboot
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter :	1.8 mm; LC Side (Fan-out)

MTP to 24xLC Fan-out (1.8mm) Assemblies



Fiber Count :	24
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	24 MTP connector
Connector Type Side B :	12xLCDuplex or 12xLCUniboot
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter :	1.8 mm; LC Side (Fan-out)

MTP to 8xLC Fan-out (0.9mm) Assemblies



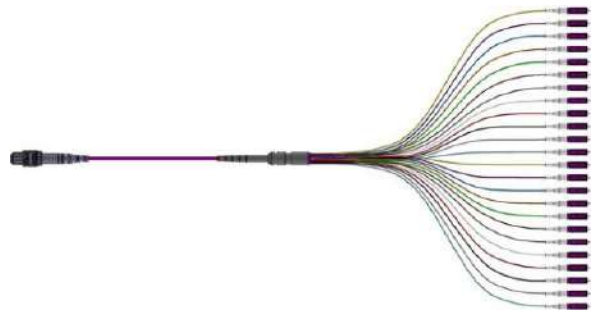
Fiber Count :	8
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 MTP connector
Connector Type Side B :	8 x LC Simplex or 4 x LC Duplex
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter :	0.9 mm; LC Side (Fan-out)

MTP to 12xLC Fan-out (0.9mm) Assemblies



Fiber Count :	12
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 MTP connector
Connector Type Side B :	12 x LC Simplex or 6 x LC Duplex
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter :	0.9 mm; LC Side (Fan-out)

MTP to 24xLC Fan-out (0.9mm) Assemblies



Fiber Count :	24
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	24 MTP connector
Connector Type Side B :	24 x LC Simplex or 12 x LC Duplex
Cable Diameter :	3.0 mm; MTP Side
Fan-Out Cable Diameter :	0.9 mm; LC Side (Fan-out)

2x8MTP 16 Fiber Breakout Assemblies



Fiber Count :	16
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	2 x 8 MTP
Connector Type Side B :	2 x 8 MTP
Cable Diameter :	6.6 mm
Fan-Out Cable Diameter :	3.0 mm

4x8MTP 32 Fiber Breakout Assemblies



Fiber Count :	32
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	4 x 8 MTP
Connector Type Side B :	4 x 8 MTP
Cable Diameter :	6.6 mm
Fan-Out Cable Diameter :	3.0 mm

6x8MTP 48 Fiber Breakout Assemblies



Fiber Count :	48
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	6 x 8 MTP
Connector Type Side B :	6 x 8 MTP
Cable Diameter :	7.6 mm
Fan-Out Cable Diameter :	3.0 mm

8x8MTP 64 Fiber Breakout Assemblies



Fiber Count :	64
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	8 x 8 MTP
Connector Type Side B :	8 x 8 MTP
Cable Diameter :	9.2 mm
Fan-Out Cable Diameter :	3.0 mm

12x8MTP 96 Fiber Breakout Assemblies



Fiber Count :	96
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 x 8 MTP
Connector Type Side B :	12 x 8 MTP
Cable Diameter :	10.3 mm
Fan-Out Cable Diameter :	3.0 mm

2x12MTP 24 Fiber Breakout Assemblies



Fiber Count :	24
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	2 x 12 MTP
Connector Type Side B :	2 x 12 MTP
Cable Diameter :	6.6 mm
Fan-Out Cable Diameter :	3.0 mm

4x12MTP 48 Fiber Breakout Assemblies



Fiber Count :	48
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	4 x 12 MTP
Connector Type Side B :	4 x 12 MTP
Cable Diameter :	6.6 mm
Fan-Out Cable Diameter :	3.0 mm

6x12MTP 72 Fiber Breakout Assemblies



Fiber Count :	72
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	6 x 12 MTP
Connector Type Side B :	6 x 12 MTP
Cable Diameter :	7.6 mm
Fan-Out Cable Diameter :	3.0 mm

8x12MTP 96 Fiber Breakout Assemblies



Fiber Count :	96
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	8 x 12 MTP
Connector Type Side B :	8 x 12 MTP
Cable Diameter :	9.2 mm
Fan-Out Cable Diameter :	3.0 mm

12x12MTP 144 Fiber Breakout Assemblies



Fiber Count :	144
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 x 12 MTP
Connector Type Side B :	12 x 12 MTP
Cable Diameter :	10.3 mm
Fan-Out Cable Diameter :	3.0 mm

2x24MTP 48 Fiber Breakout Assemblies



Fiber Count :	48
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	2 x 24 MTP
Connector Type Side B :	2 x 24 MTP
Cable Diameter :	9.3 mm
Fan-Out Cable Diameter :	3.0 mm

4x24MTP 96 Fiber Breakout Assemblies



Fiber Count :	96
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	4 x 24 MTP
Connector Type Side B :	4 x 24 MTP
Cable Diameter :	9.3 mm
Fan-Out Cable Diameter :	3.0 mm

6x24MTP 144 Fiber Breakout Assemblies



Fiber Count :	144
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	6 x 24 MTP
Connector Type Side B :	6 x 24 MTP
Cable Diameter :	11.0 mm
Fan-Out Cable Diameter :	3.0 mm

12x24MTP 288 Fiber Breakout Assemblies



Fiber Count :	288
Cable Type :	OS2 YELLOW OM3 TURQUOISE OM4 HEATHER VIOLET
Connector Type Side A :	12 x 24 MTP
Connector Type Side B :	12 x 24 MTP
Cable Diameter :	13.5 mm
Fan-Out Cable Diameter :	3.0 mm

Order Coding

Assembly Type	Fiber Count	Side A Connector	Side B Connector	Fiber Type	Length in meter	Cable Construction	Wiring	
MC	08	MTPEf	MTPEf	M3	XX.X	C36/NN	A	
FC	12	MTPSf	MTPSf	M4		C30/NN	B	
HC	24	MTPEm	MTPEm	A2		C09/NN	C	
TR	32	MTPSm	MTPSm			C6X/NN		
BR	48	04LCD	XX MSf			C7X/NN		
	64	06LCD	XX MSm			C9X/NN		
	96	12LCD	XX ME			C10X/N		
	144	08LCS	XX MEm			C11X/N		
	288	12LCS	04LCD				C13X/N	
			24LCS	06LCD			C30/09	
				12LCD			C30/20	
			08LCS			C36/09		
		12LCS			C36/20			
		24LCS						

Connector Types & Performance

Connector Mating	IL Average	IL Max	Return Loss
MTPEx (MM) ,Elite	0.10 dB	0.35 dB	>20 dB
MTPEx (SM), Elite	0.10 dB	0.35 dB	>60 dB >60 dB-APC 8°
MTPSx (MM) ,Standard	0.20 dB	0.60 dB	>20 dB
MTPSx (SM), Standard	0.25 dB	0.75 dB	>60 dB >60 dB-APC 8°
LC-UPC (MM)	0.15 dB	0.35 dB	>35 dB
LC-UPC (SM)	0.15 dB	0.35 dB	>50 dB >60 dB-APC 8°

Assembly Type Coding

Connector Coding

MTPSf :	MTP, Standard ,Female
MTPSm :	MTP, Standard ,Male
MTPEf :	MTP, Elite ,Female
MTPEm :	MTP, Elite ,Male
XXMSf :	02/04/06/12 MTP, Standard ,Female
XXMSm :	02/04/06/12 MTP, Standard ,Male
XXMEf :	02/04/06/12 MTP, Elite ,Female
XXMEm :	02/04/06/12 MTP, Elite ,Male
04LCD :	4 LC Duplex (8xLC)
06LCD :	6 LC duplex (12xLC)
12LCD :	12 LC duplex (24xLC)
08LCS :	8 LC Simplex
12LCS :	12 LC Simplex
24LCS :	24 LC Simplex

Fiber Coding

A2 :	Single Mode 9/125 (OS2)
M3 :	Multi Mode 50/125(OM3)
M4 :	Multi Mode 50/125(OM4)

Assembly Type Coding

MC :	MTP to MTP Assemblies
FC :	MTP to LC Assemblies with Fan-out
HC :	MTP to LC Assemblies 0.9mm tubes
TR :	MTP Trunk Assemblies
BR :	MTP to MTP Breakout Assemblies

Cable Construction Coding

Simplex Cables

C36/NN :	12 For 24F ; 3.6 mm Cable
C30/NN :	12 For 24F ; 3.0 mm Cable

Hybrid Cables

C09/NN :	8F, 12F or 24F ; 0.9 mm Colored Tubes
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Breakout Cables

C6X/NN :	8Fx2, 8Fx4, 12Fx2, 12Fx4 breakout cables
C7X/NN :	8Fx6, 12Fx6 breakout cables
C9X/NN :	8Fx8, 12Fx8, 24Fx2, 24Fx4 breakout cables
C10X/N :	12Fx12 breakout cables
C11X/N :	24Fx6 breakout cables
C13X/N :	24Fx12 breakout cables

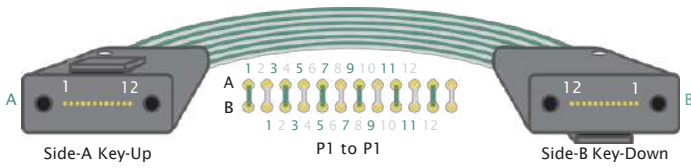
Fanout Cables

C30/09 :	8F, 12F or 24F ; 3.0 mm / 0.9 mm Cable
C30/20 :	8F, 12F or 24F ; 3.0 mm / 2.0 mm Cable
C36/09 :	8F, 12F or 24F ; 3.6 mm / 0.9 mm Cable
C36/20 :	8F, 12F or 24F ; 3.6 mm / 2.0 mm Cable

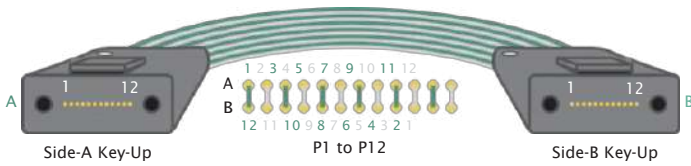
Polarity & Positioning

12 Fibers

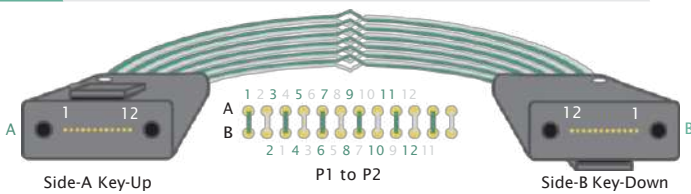
Type A "Straight Through"



Type B "Cross"

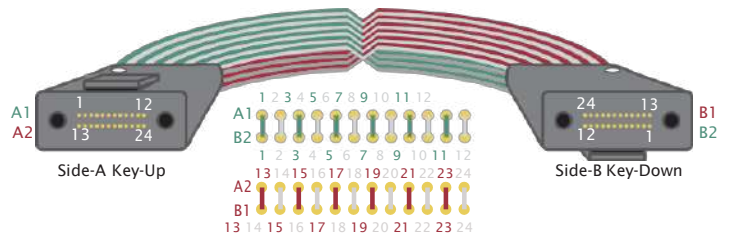


Type C "Cross Pair"

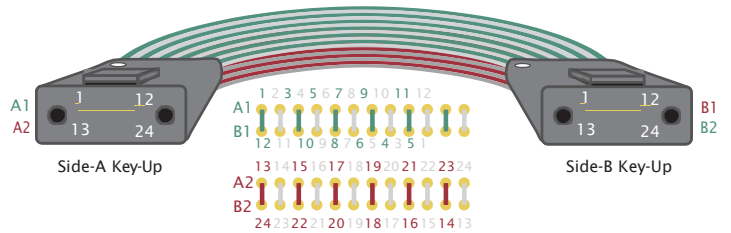


24 Fibers

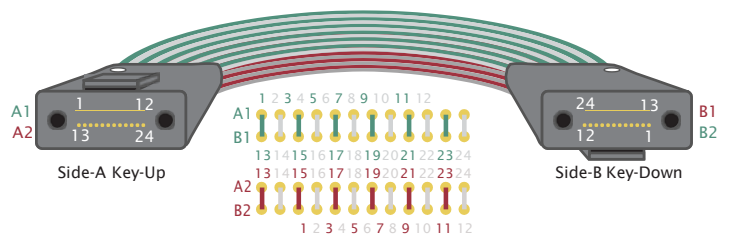
Type A "Straight Through"



Type B "Cross"



Type C "Cross Pair"



Connectivity Method	Switch	Duplex Patch Cord	Cassette		Breakout cable	Cassette		Duplex Patch Cord	Switch
			Duplex	MPO Adapter		MPO Adapter	Duplex		
A	Rx Tx	A to B	Multiple Ports	Type A	Type A	Type A	Switch	A to A	Rx Tx
B	Rx Tx	A to B	Multiple Ports	Type B	Type B	Type B	Switch	A to B	Rx Tx
C	Rx Tx	A to B	Multiple Ports	Type A	Type C	Type A	Switch	A to B	Rx Tx

Connectivity Method	Switch	Array Patch Cord	MPO Adapter	Breakout Cable	MPO Adapter	Array Patch Cord	Switch
A	Rx Tx	Type B	Type A	Type A	Type A	Type A	Rx Tx
B	Rx Tx	Type B	Type B	Type B	Type B	Type B	Rx Tx
C	Rx Tx	Type B	Type A	Type C	Type A	Type C	Rx Tx