

Applications

- Trunk Backbone to Rack
- Data Switches and Routers
- Servers
- Data Centers
- Test Equipment

Features & Benefits

- High quality components results in low insertion loss
- High capacity with fiber counts up to 72
- Multiple transition styles provides flexible mounting options
- Wide range of breakout styles and fiber options
- 100% optically tested ensures reliability and performance



Overview

As datacom technology migrates from 10GbE to 40GbE and beyond, it is often necessary to transition from discrete commercial connectors to 12- or 24-fiber MTP®/MPO connectors. MTP®/MPO fiber optic breakout cable assemblies are ideal for connecting high speed switches populated with higher rate transceivers QSFP+, CFP, CXP, CFP2, etc. to existing 10GbE elements populated with SFP+ modules. In addition, ever increasing data traffic and port counts is requiring higher connector densities necessitating cable assemblies that transition single channel LCs to high density MTP®/MPO connectors. Timbercon is a leader in providing high quality MTP®/MPO fiber optic breakout cable to the data communications industry.

Available with OM2, OM3, OM4 or single mode fiber, Timbercon uses only the highest quality components to design and manufacture breakout cables to your specification. You define length, connectors and breakout configurations, or we will help design it for you.

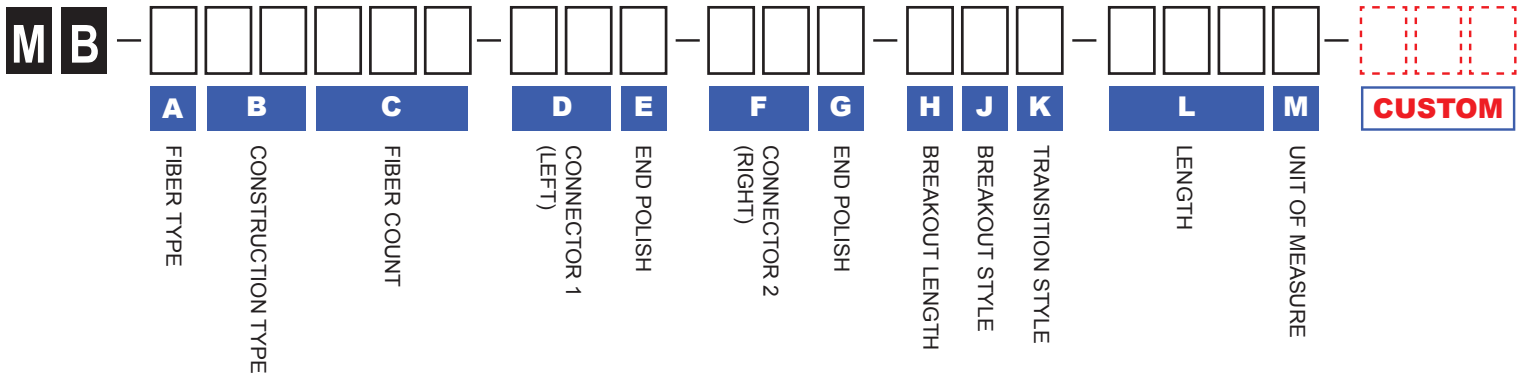
In addition to offering breakout styles from 900 micron to 3.0 mm fiber cable outer diameter (OD), we also offer different transition options based on your mounting and space requirements. Flat, mountable and tube are all available. Timbercon also has an overmold breakout design, which allows us to produce the most rugged cable assemblies in the industry.



About Timbercon

Timbercon, Inc., founded in 1997 is a fiber optic product and solution manufacturing company providing a variety of connectivity solutions to the defense, aerospace, medical, data storage, telecommunications and industrial industries. In addition to standard fiber optic assemblies and attenuated loopbacks, Timbercon has pioneered many proprietary products. Additional company information can be found at www.timbercon.com.

(MB) MT BREAKOUT CABLE ASSEMBLY PART NUMBERING SYSTEM



A	B	C	D	F
5 MM 50um	07 Ribbon Riser	Enter the fiber count in whole numbers (002-72). Use (0) as place holder, if necessary.	11 MTP Female	50 MPO Female
6 MM 62.5um	08 Ribbon Plenum		12 MTP Male	51 MPO Male
7 OM3 MM 50um	09 Ribbon Armored	EXAMPLE: 12 Fiber Cable = (C) 012	13 MTP Elite Female	52 MPO Elite Female
8 OM4 MM 50um	12 Bare Ribbon		14 MTP Elite Male	53 MPO Elite Male
9 SM 9um	20 900um Jacket		15 MTP Female Short	60 PRIZM LightTurn
0 Custom	40 Stainless Steel		16 MTP Male Short	99 Custom
	50 5MM RLT (PL)		17 MTP Elite Female Short	
	51 5MM RLT (R)		18 MTP Elite Male Short	
	52 3MM RTL (PL)		21 Bare Ferrule	
	53 3MM RTL (R)		22 Bare Ferrule (Elite)	
	60 Round. Ribbon (R)			
	61 Round. Ribbon (PL)			
	62 5MM RCT (R)			
	63 5MM RCT (PL)			
	64 LSZH RCT			
	99 Custom			
	RLT = ROUND LOOSE TUBE RCT = ROUND CENTRAL TUBE			

E/G	H	J	K	L	M
0 NONE (Pigtail)	0 12"	1 900 um	1 2mm Transition Kit	Enter overall length in whole numbers. Use block (M) to specify unit of measure.	N Inches
1 MM PC	1 12" Staggered	2 2.5 mm	2 Flat 900 Transition Kit		F Feet
3 SM UPC	3 24"	3 3.0 mm	3 Tube Transition	C Centimeters	
4 SM APC	4 24" Staggered	4 2.0 mm	5 900 Mountable Transition Kit	M Meters	
5 Flat	5 36"	5 3 mm SS	6 Mold Transition	K Kilometers	
9 Custom	9 Custom	9 Custom	9 Custom		
				EXAMPLE: 1 Meter Lead = (L) 001 (M) M	

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40 Gbps & 100 Gbps Product Solutions

Timbercon is proud to offer a complete suite of proven product solutions for the higher bandwidth requirements of 40Gbps and 100Gbps transmission speeds.

