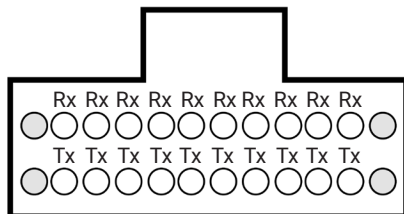
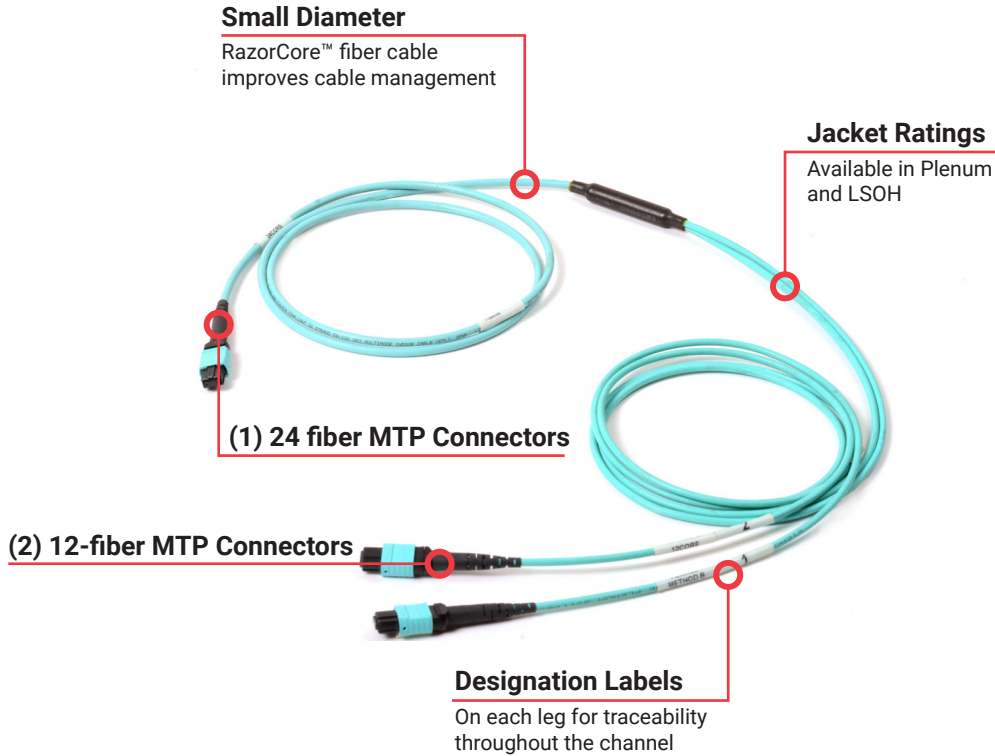


# 40/100G MTP Equipment Conversion Cords

Regional Availability - Global

## Conversion Jumper For 100G: (2) 12F MTP TO (1) 24F MTP

Simon's Conversion cords utilizes (2) 12 fiber MTP to MTP trunks and transitions them from the backbone trunk to (1) 24 fiber MTP connector to connect to the active equipment.



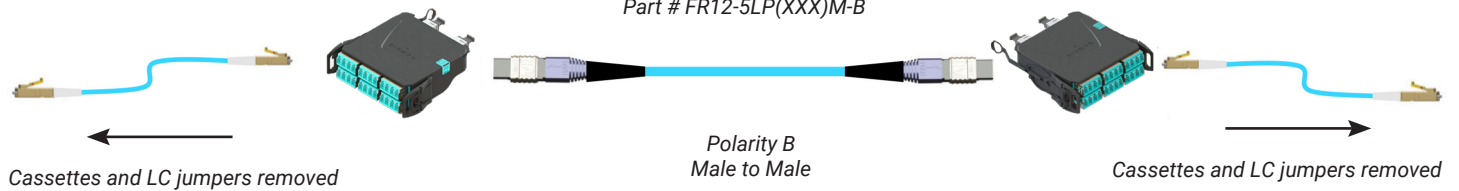
**100G BASE-SR10, 1 x 24 Fiber MTP's**  
With the 100G option (1) 24 strand MTP trunks are used for one link

# Product Information

## 10G Cassette-Based Channel Migration To 100G Channel

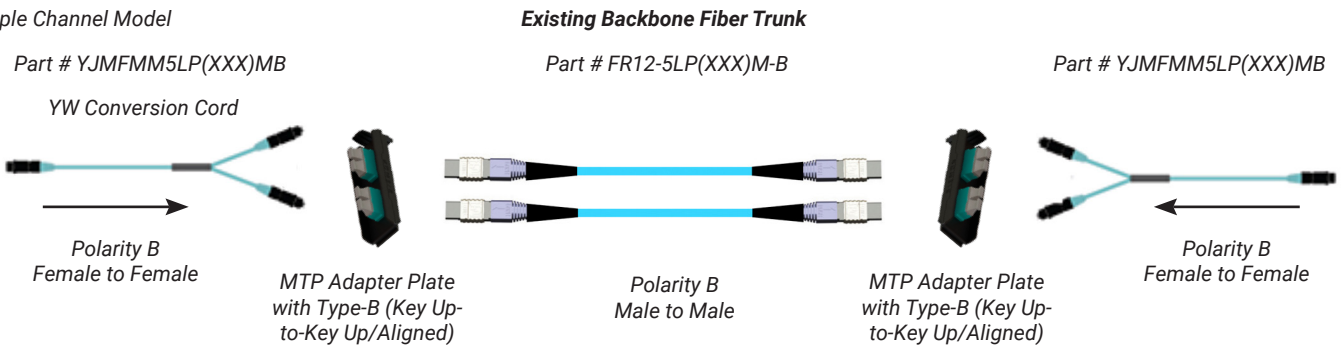
### 10G Channel

Example Channel Model



### 100G Channel

Example Channel Model



- Utilizes conversion jumper on each end of the channel instead of traditional 12 fiber MTP jumper
- 40G channels use 8 of the 12 available fibers leaving 33% of the backbone unused.
- The conversion jumper eliminates the unused fibers allowing 100% backbone fiber utilization

## Connectors - Optical Specifications

Fiber Type	Performance Class	MAX Insertion (db)		MAX Return Loss (db)	
		MTP	LC	MTP	LC
Multimode OM3	XGLO 300	0.4	0.25	20	30
Multimode OM4	XGLO 550	0.4	0.25	20	30
Singlemode OS2	XGLO	0.6	0.4	60	55
Laser Optimized 50/125 Multimode OM3	XGLO 300 Ultra Low Loss	0.2	0.15	20	30
Laser Optimized 50/125 Multimode OM4	XGLO 550 Ultra Low Loss	0.2	0.15	20	30
Singlemode OS2	XGLO Ultra Low Loss	0.3	0.2	60	55

# Product Information

## Cable - Optical and Physical and Specifications

Cable Type	Multimode		Singlemode
	XGLO 50/125 OM3 (850/1300nm)	XGLO 50/125 OM4 (850/1300nm)	XGLO (1310/1383/1550nm)
Fiber Cable Attenuation, MAX (dB/km)	3.0/1.0	3.0/1.0	0.40/0.40/0.30*
LED Bandwidth, MIN (MHz/km)	1500/500	3500/500	N/A
Effective Modal Bandwidth, MIN (MHz/km)	2000	4700	N/A
Cable Outer Jacket, Color (Pre-TIA598-C)	Aqua	Aqua	Yellow

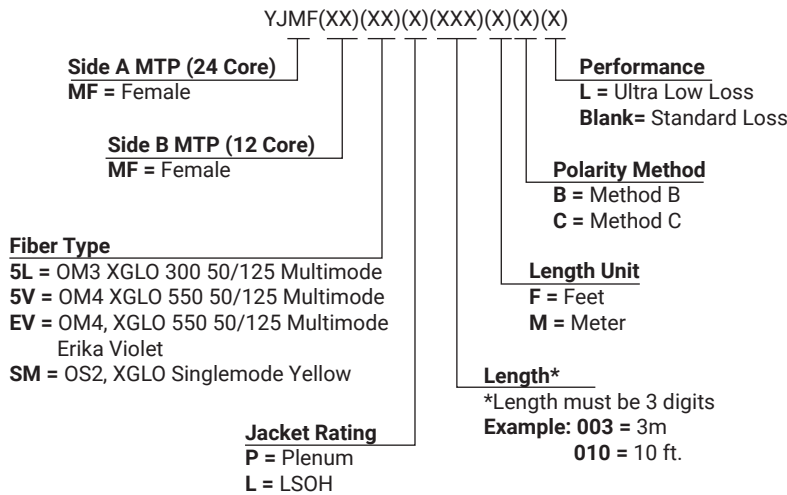
\* XGLO Singlemode fiber meets low water peak specifications per ITU-T G.652.C

## Connectors - Physical Specifications

Connector Type	IEC Intermateability Compliance	TIA Intermateability Compliance	Housing Color		Boot Color		
			Standard Loss SM	Ultra Low Loss SM	MM	SM	MM
MTP	IEC 61754-7	TIA/EIA-604-5	Green	Yellow	Aqua	Blue	Blue

## Ordering Information

### 40/100G Equipment Conversion Cords



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

<b>North America</b> P: (1) 860 945 4200	<b>Asia Pacific</b> P: (61) 2 8977 7500	<b>Latin America</b> P: (571) 657 1950/51/52	<b>Europe</b> P: (44) 0 1932 571771	<b>China</b> P: (86) 215385 0303	<b>India, Middle East &amp; Africa</b> P: (971) 4 3689743
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