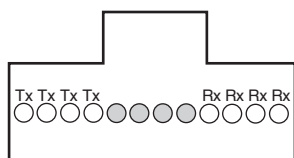


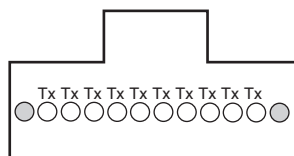
40/100G EQUIPMENT CORDS (MJS)

MTP 2mm Jumpers

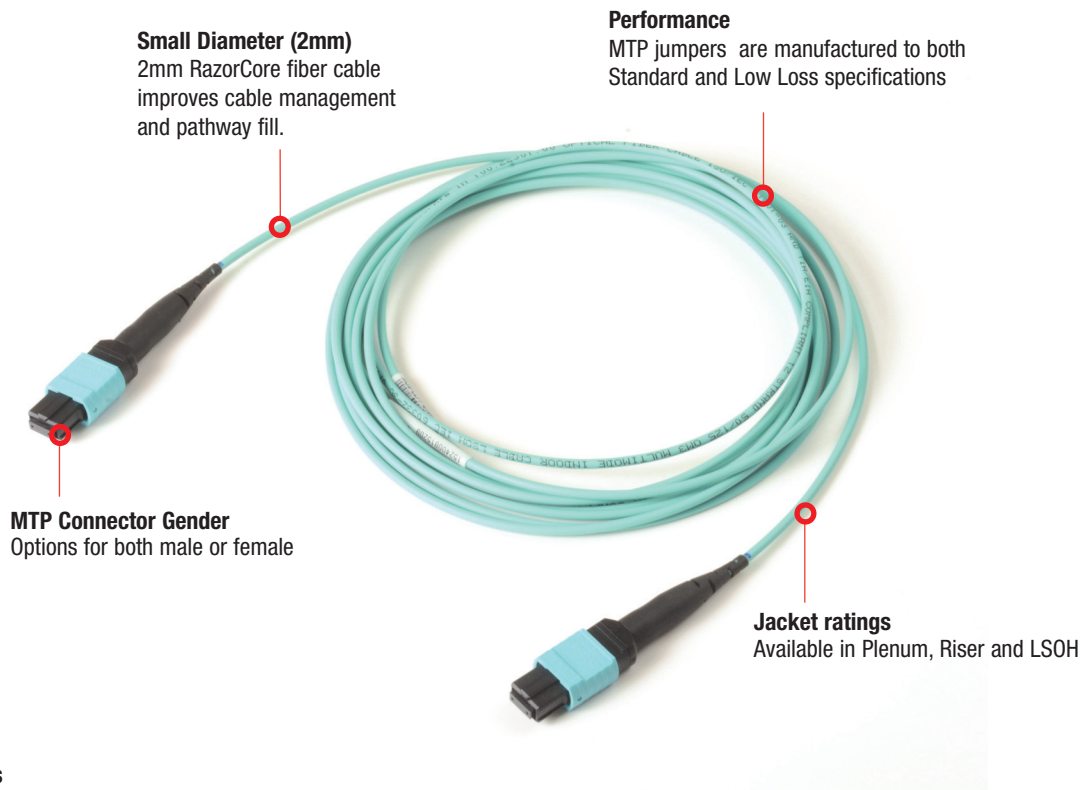
Simon's MTP jumpers are used to connect the MTP trunk backbone to the active equipment. The compact design of the MTP footprint and Simon's 2mm diameter RazorCore™ cable achieves greater connectivity access, reduction in cable pathway congestion and improved airflow around the active equipment.



40G BASE-SR4 8-Fiber MTP
With the 40G option (1) 12 strand MTP trunk is used for one link

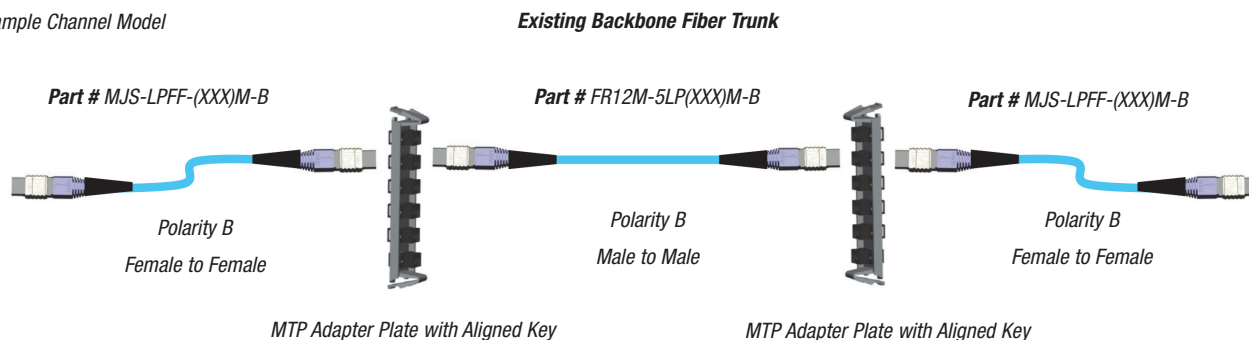


100G BASE-SR10, 2x12-Fiber MTP's
With the 100G option (2) 12 strand MTP trunks are used for one link



40G Channel

Example Channel Model

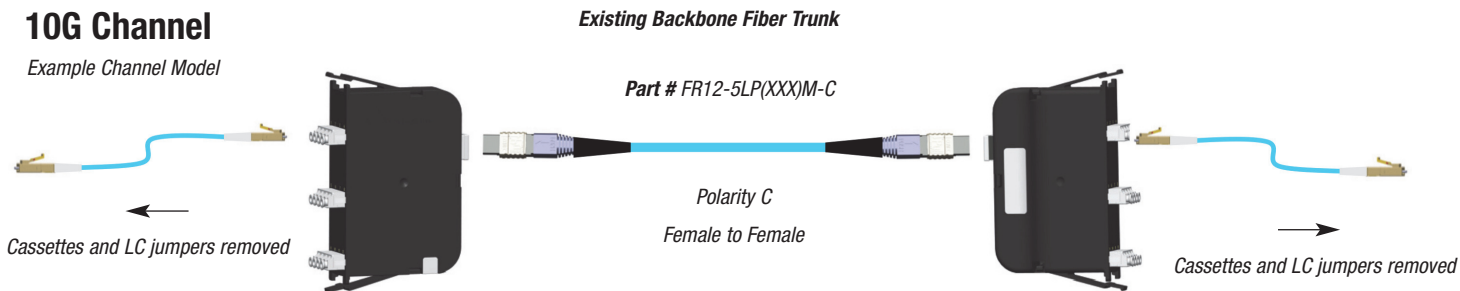


- Active equipment has a male MTP/MPO connector
- All assemblies are B-polarity (straight-through wiring)
- MTP adapter plate has aligned key orientation
- The trunk is male-to-male (in contrast to typical 10G cassette-based MTP channels where the trunk is female-to-female)

10G CASSETTE-BASED CHANNEL MIGRATION TO 40G Channel

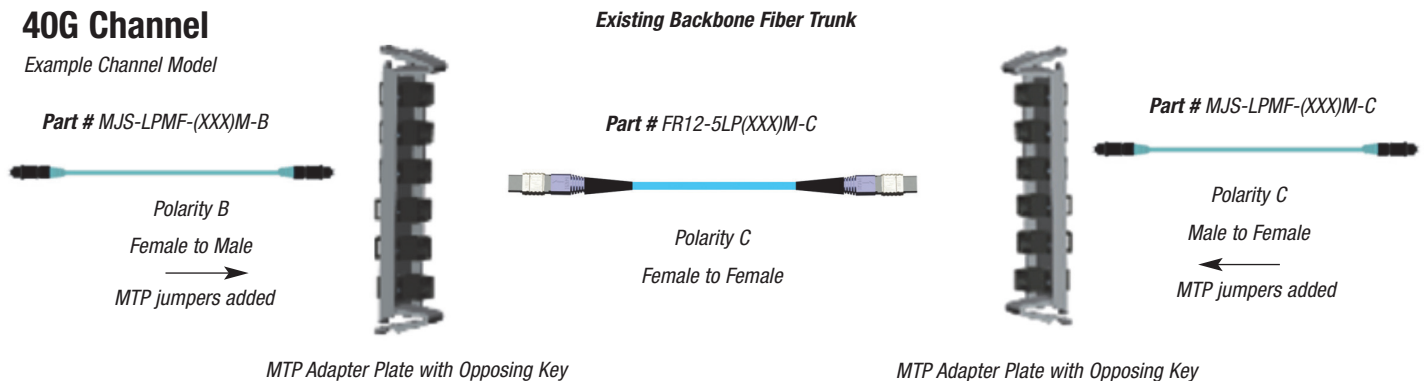
10G Channel

Example Channel Model



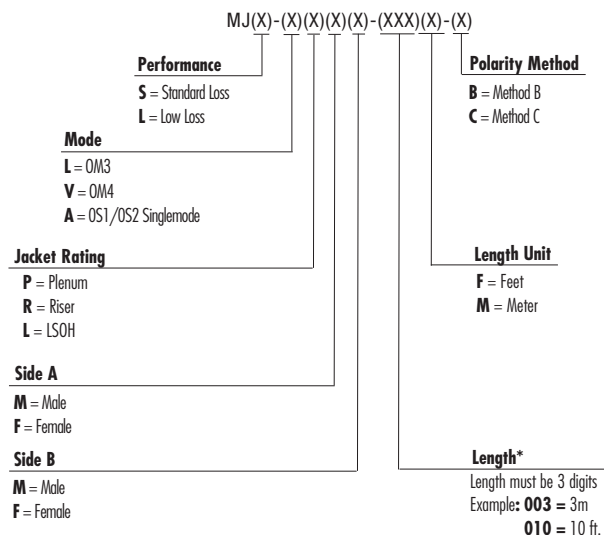
40G Channel

Example Channel Model



Ordering Information

40/100G EQUIPMENT CORDS



Product Specifications

STANDARD LOSS ASSEMBLIES

Fiber Type		MAX Insertion (dB)		MAX Return Loss (dB)		Performance Class
		MTP	LC	MTP	LC	
5L-MM	50/125 (OM3)	0.40	0.25	20	30	XGLO® 300
5V-MM	50/125 (OM4)	0.40	0.25	20	30	XGLO 550

LOW LOSS ASSEMBLIES

Fiber Type		MAX Insertion (dB)		MAX Return Loss (dB)		Performance Class
		MTP	LC	MTP	LC	
5L-MM	50/125 (OM3)	0.20	0.15	20	30	XGLO 300
5V-MM	50/125 (OM4)	0.20	0.15	20	30	XGLO 550

CABLE - OPTICAL AND PHYSICAL SPECIFICATIONS

Cable Type	Multimode	
	XGLO 50/125 OM3 (850/1300nm)	XGLO 50/125 OM4 (850/1300nm)
Fiber Cable Attenuation MAX (db/km)	3.0/1.0	3.0/1.0
LED Bandwidth, MIN (MHz/km)	1500/500	3500/500
Effective Modal Bandwidth, MIN (MHz/km)	2000	4700
Cable Outer Jacket, Color (Per TIA-598-C)	Aqua	Aqua

CONNECTORS - PHYSICAL SPECIFICATIONS

Connector Type	IEC Intermateability Compliance	TIA Intermateability Compliance	Housing Color	Boot Color
			MM-5L/5V	MM
MTP	IEC 61754-7	TIA/EIA-604-5	Aqua	Black

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