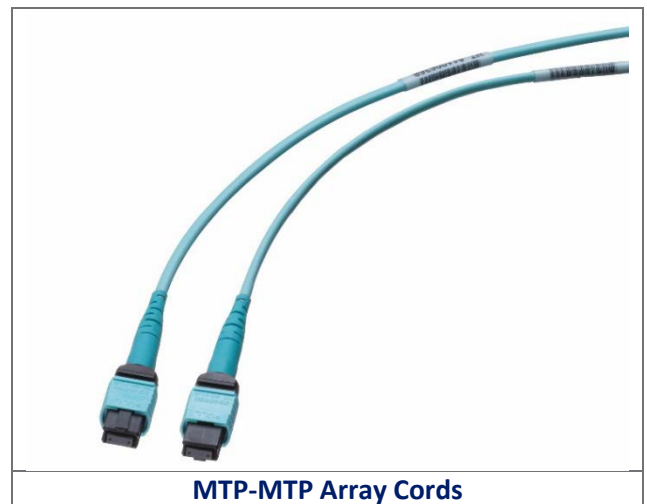


APPLICATION

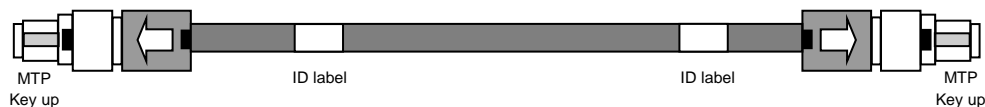
Brand-Rex MTP-MTP Array Cords are designed to cross connect from structured cabling directly into active equipment with an MPO transceiver interface. They are also used as direct interconnect cables for point-to-point connections. Available with 8,12 of 24 fibre configurations these assemblies are terminated on either end with MTP low-loss connectors and can be quickly and efficiently installed to facilitate effortless maintenance and provide a simple upgrade path to higher speed transmissions.

FEATURES

- Plug and play technology eliminates the need for complicated and craft sensitive field terminations and splices
- Factory terminated and pre-tested using automated procedures to ensure product quality
- Available in 8, 12 and 24 fibre counts and offering a migration path from 10GbE to 40/100GbE
- Ultra Low Loss 8 and 12 fibre MTP connectors for maximum network design flexibility
- Compact 3mm cable diameter maximising density and minimising footprint
- Halogen Free Flame Retardant – Low Smoke cable jacket with EuroClass Cca and Eca options to meet the requirements of the Construction Product Regulation (CPR)



PHYSICAL CHARACTERISTICS



MTP-MTP Array Cords - "B" Polarity

Array Cord Physical Specifications								
Fibre Count	CPR Rating	Nominal Outside Diameter (mm)	Weight (kg/km)	Max Installation Tension (N)	Minimum Bend Radius (mm)		Temperature Range (°C)	
					Installation	Long Term	Operating	Storage
8	Cca	3.0	8	300	60	45	-5°C to 70°C	-25°C to 70°C
8	Eca	3.0	9	150	60	30	-20°C to 60°C	-20°C to 60°C
12	Cca	3.0	8	300	60	45	-5°C to 70°C	-25°C to 70°C
12	Eca	3.0	9	150	60	30	-20°C to 60°C	-20°C to 60°C
24	Cca	3.8	12	300	76	57	-5°C to 70°C	-25°C to 70°C

Array Cord Length Tolerance	
Length	Tolerance
L ≤< 1m	+76mm/-0mm
1m < L ≤< 8m	+152mm/-0mm
8m < L ≤< 15m	+229mm/-0mm
15m < L	+305mm/-0mm

- Length: 1-30m
- Available in increments of 0.0m, 0.2m, 0.5m and 0.8m

LABELLING

- Standard labelling:
 - Trunk label on each end detailing the part number, end, length, polarity and serial number
 - Leg label on each leg detailing the leg number and end
- Custom labelling also available

PACKAGING DETAILS

- Supplied in a coil packed in an individual bag

PERFORMANCE

Array Cords are designed and manufactured to conform to the requirements of the structured wiring cabling standards ISO/IEC 11801 latest amendments, EN 50173-1, TIA 568 series and the data centre cabling standards IEC 24764, EN 50173-5 and TIA 942.

The ultra-high quality of the connector system allows multi-connector links to be configured within whilst still meeting the optical budgets of high speed applications.

Connector Performance			
MTP Connector Type	Insertion Loss (dB)		Return Loss Minimum (dB)
	Typical	Maximum	
Multimode	0.10	0.35	20
Singlemode (APC)	0.10	0.35	60

Cable Performance			
Fibre Type	Wavelength (nm)	Typical Attenuation (dB/km)	Maximum Attenuation (dB/km)
OM3	850	2.6	3.5
	1300	0.6	1.5
OM4	850	2.6	3.5
	1300	0.6	1.5
OS2	1310	0.3	0.4
	1550	0.2	0.4

Make to order!		MTP-MTP Array Cords			
FIBRE TYPE	FIBRE COUNT	CPR RATING	TERMINATION	CORD LENGTH	POLARITY
OS2	8	Cca	FIRST END	1-30m	MTP Method A
OM3	12	Eca	8-Fibre MTP (Male)		MTP Method B
OM4	24		8-Fibre MTP (Female)		MTP Method C
			12-Fibre MTP (Male)		
			12-Fibre MTP (Female)		
			24-Fibre MTP (Male)		
			24-Fibre MTP (Female)		
			SECOND END		
			8-Fibre MTP (Male)		
			8-Fibre MTP (Female)		
			12-Fibre MTP (Male)		
			12-Fibre MTP (Female)		
			24-Fibre MTP (Male)		
			24-Fibre MTP (Female)		



“Brand-Rex is dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions”

The information contained in this document is valid and correct at the time of issue. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.