

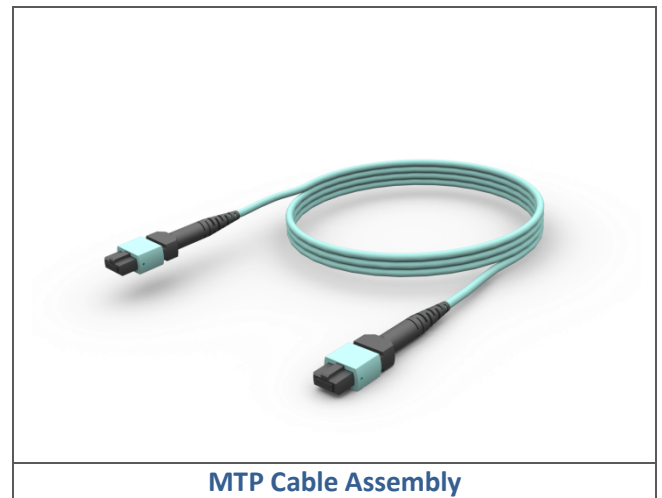
APPLICATION

The Brand-Rex ultra high performance, pre-terminated Optical Fibre cabling system is based on MT ferrule connector technology which future proofs installations for transmission of 1, 2, 4, 8 and 16 GFC and 1, 10, 40 and 100GbE technologies.

Our cable assemblies are made up from 12 fibre LSHF sheathed cable terminated with MTP low loss connectors. These assemblies are ideally suited for installation in to data centre where multiple, point to point, fibre interconnections between distribution racks or equipment racks is required & the assemblies can be quickly & efficiently installed to allow for easy maintenance or upgrade to a higher speed transmissions if required.

FEATURES

- Cable manufactured with Bend Insensitive fibre.
- Superior Low loss performance
- OM3, OM4 & Singlemode fibre available
- Suitable for up to 100G applications
- Superior Fire performance
- Quick & easy to install & maintain

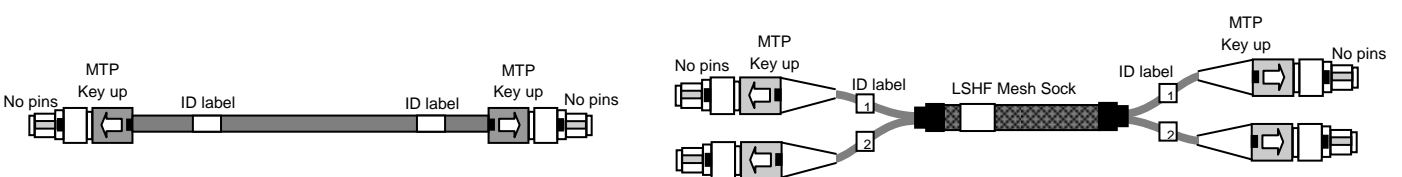


MTP Cable Assembly

EXAMPLE PART NUMBER

Brand-Rex Part Number	Item Description	Colour
STCATOM3120050	MTP - MTP Low Loss cable assembly, compact fibre, Method 'A' Polarity, OM3 12 fibre, 5.0m long	Aqua
STCBTOM4120100	MTP - MTP Low Loss cable assembly, compact fibre, Method 'B' polarity, OM4 12 fibre, 10.0m long	Heather Violet
STCCT108120150	MTP - MTP Low Loss cable assembly, compact fibre, Method 'C' Polarity, SM 12 fibre, 15.0m long	Yellow
STMCTOM4120050	MTP - MTP (Pins One End) Low Loss cable assembly, compact fibre, Method 'C' Polarity, OM4 12 fibre, 5.0m long	Heather Violet
STMCBTMOM4120100	MTP - MTP (Pins Both Ends) Low Loss cable assembly, compact fibre, Method 'B' Polarity, OM4 12 fibre, 10.0m long	Heather Violet

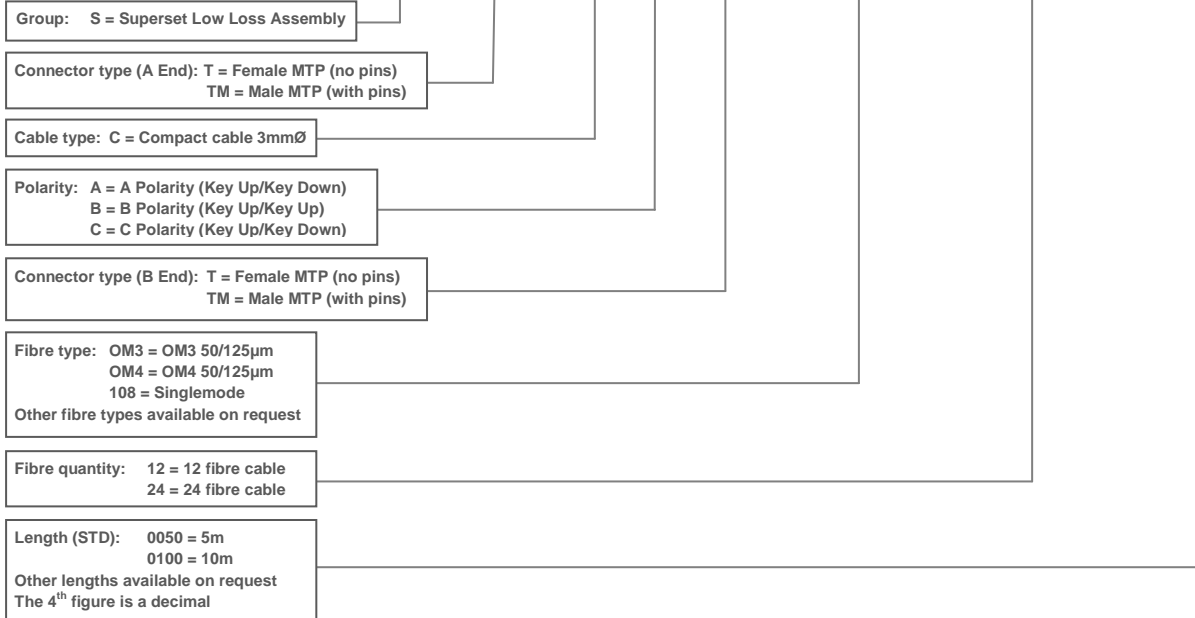
PHYSICAL CHARACTERISTICS



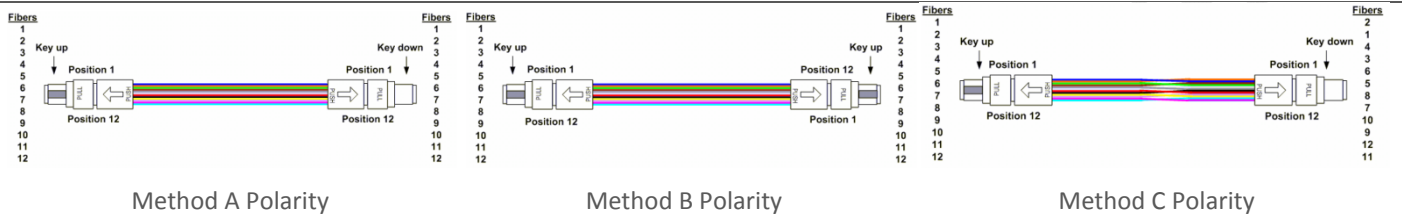
MTP Cable Assemblies - "B" Polarity (shown no pin)

PART NUMBER BREAKDOWN

SAACBCDDDEEEFFF



POLARITY WIRING



COMPLIANCE

- EIA/TIA 568C .3 latest version
- ANSI/TIA/EIA-604-5C latest version
- BS EN 60332-3-24 latest version

STANDARDS

- Flammability (Cable): BS EN 60332-3-24:2009

ENVIRONMENTAL CONDITIONS

- Temperature Rating: 0°C to 70°C

MECHANICAL

- Minimum static bend radius : 12mm
- Minimum dynamic bend radius: 42mm
- Maximum tensile load : 100N
- Length Tolerance : ≤10m = -0/+0.2m,
>10m = -0/+2%

PERFORMANCE

Cable Assemblies are designed and manufactured to conform to the requirements of the structured wiring cabling standards ISO/IEC 11801 latest amendments, EN 50173-1, TIA 568C 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.

Assembly

- Insertion Loss (IR): 1.0dB Max

Connector

Connector Type		Insertion Loss (dB)		Return Loss (dB)	
		Typical	Maximum	Typical	Minimum
Multimode	MTP Low Loss	0.10	0.35	-	20
Singlemode	MTP Low Loss ⁽¹⁾	0.10	0.35	-	60

⁽¹⁾Angled Polish Face

Cable

Fibre Type & Cable Performance Grade	Wavelength (nm)	Maximum Attenuation (dB/km)	Typical Cable Attenuation (dB/km)
50/125 Multimode OM3 performance	850	3.5	2.6
	1300	1.5	0.6
50/125 Multimode OM4 performance	850	3.5	2.6
	1300	1.5	0.6
Singlemode performance	1310	0.4	0.3
	1383	0.4	0.3
	1550	0.4	0.2

*“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.