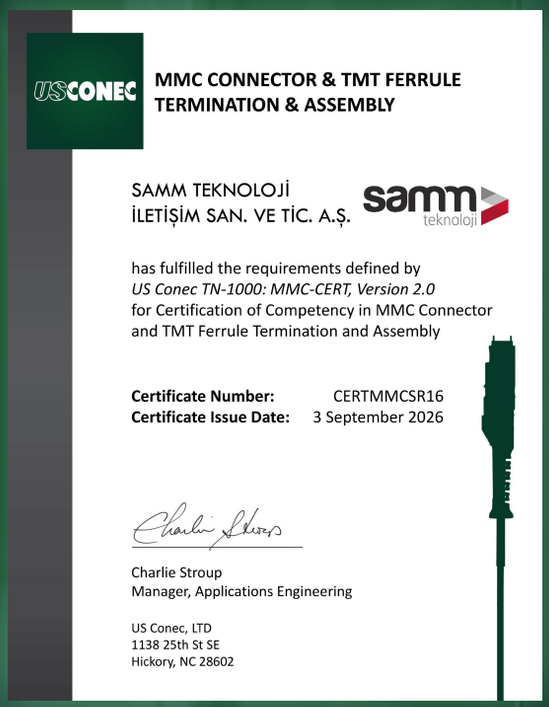
USCONEC | samm teknoloji

CERTIFIED PARTNER



USCONEC

MMC CONNECTOR & TMT FERRULE TERMINATION & ASSEMBLY

SAMM TEKNOLOJİ
İLETİŞİM SAN. VE TİC. A.Ş.

samm teknoloji

has fulfilled the requirements defined by
US Conec TN-1000: MMC-CERT, Version 2.0
for Certification of Competency in MMC Connector
and TMT Ferrule Termination and Assembly

Certificate Number: CERTMMCSR16
Certificate Issue Date: 3 September 2026

Charlie Stroup
Manager, Applications Engineering

US Conec, LTD
1138 25th St SE
Hickory, NC 28602

MMC



VSFF Multi-fiber Connector

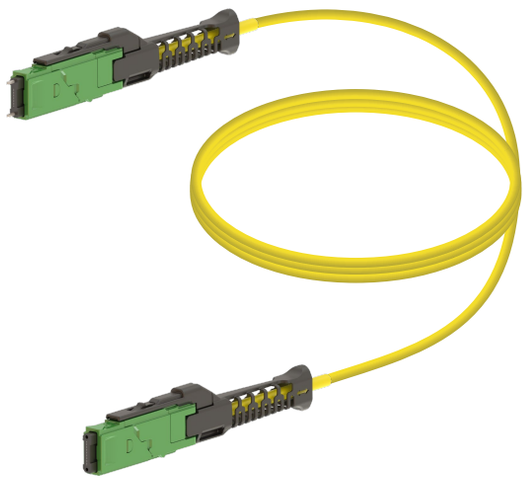
3 TIMES THE DENSITY

of MPO/MTP®

MMC-16 Single Mode Cable Assemblies

Designed for AI, Cloud & Next-Generation Data Centers

US Conec's MMC connector is a Very Small Form Factor (VSFF) multi-fiber optical connector designed for termination of single-mode and multimode fiber cables up to 2.5mm in diameter. The MMC connector employs novel TMT Elite™ ferrule technology harmonized with the MT or MT-16 alignment structure. Individual connector access in the most extremely dense connector environments is easily accomplished using revolutionary DirectConec™ push-pull boot technology.



Connector Specifications

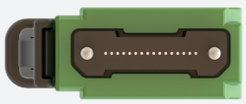
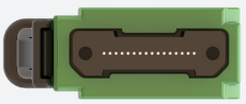
MMC 16F Specification	Telcordia GR-1435
Ferrule Type	16 TMT Elite™ by USCONEC
Connector Technology	DirectConec™ Push-Pull
Operation Temperature Range	-10°C to +70°C

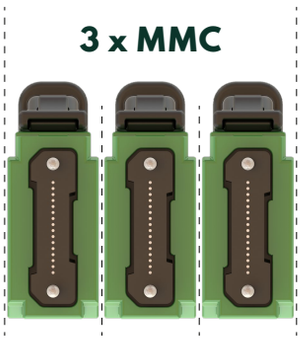
End-face Control Parameters

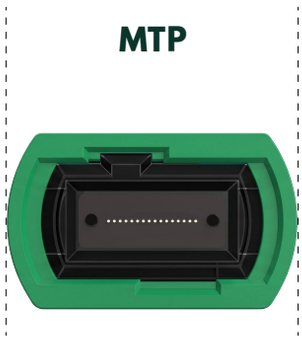
Geometry Inspection	UPC : IEC 61755-3-1
Visual Inspection	IEC 61300-3-35

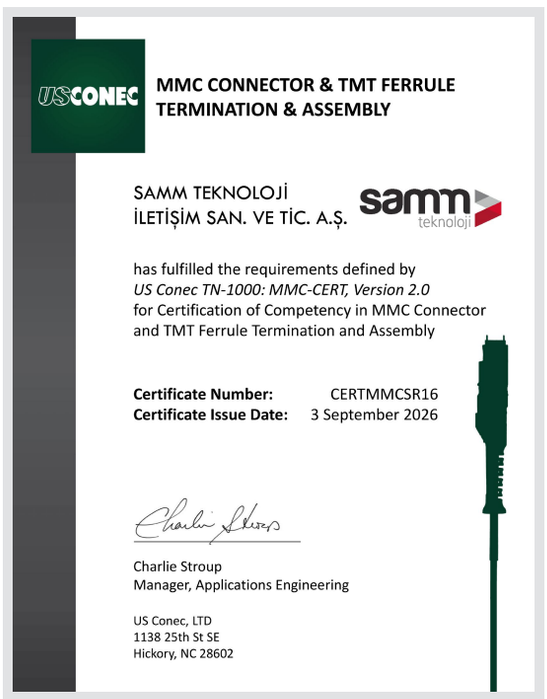
Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single Mode:	≤ 0.35dB Max. 0.15dB Typ.
Return Loss IEC61300-3-6 Method B	Single Mode APC:	≥ 60dB

MMC-16 / APC Male	MMC-16 / APC Female
	



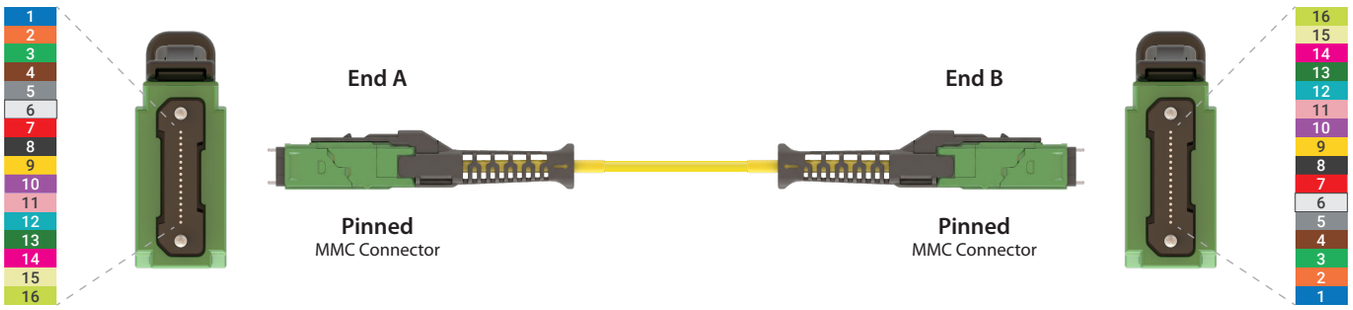




Why Choose SAMM MMC Solutions?

- **Ultra-High Density**
  3 times fiber density over conventional MPO/MTP solutions.
- **800G+ Ready**
  Designed for evolving high-speed optical networks.
- **Easy Deployment**
  Simplified installation, polarity management and handling.
- **Flexible & Scalable**
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- **SAMM Engineering**
  Precision manufacturing, quality assurance and application-driven solutions.

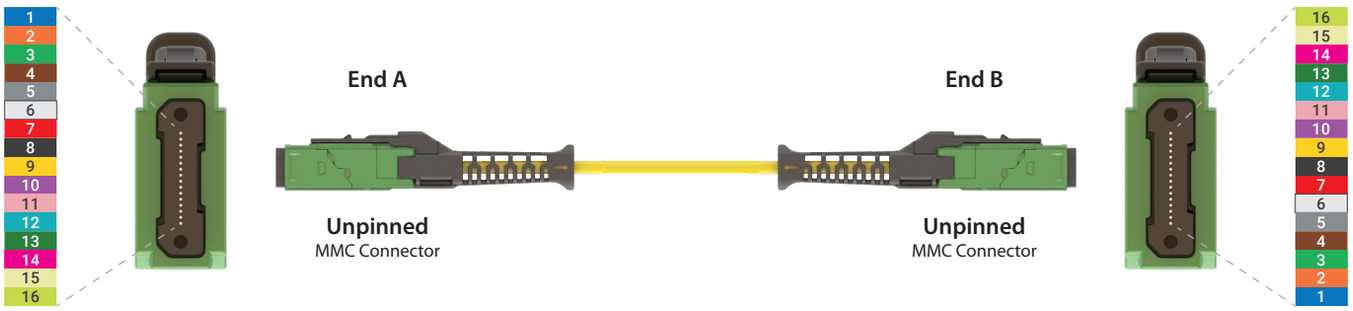
Trunk Assembly



MT19548-X	I-PC-16-TMT-025-A1-T-MMC16m-MMC16m-XXXM_Trunk Polaritiy
	MMC-16 APC (Male) to MMC-16 APC (Male), 16 Fibers, Cable Dia. 2,5mm, OS2 , Trunk Polarity, Yellow_XXX Meters

*XXX designates length configuration; please specify when ordering.

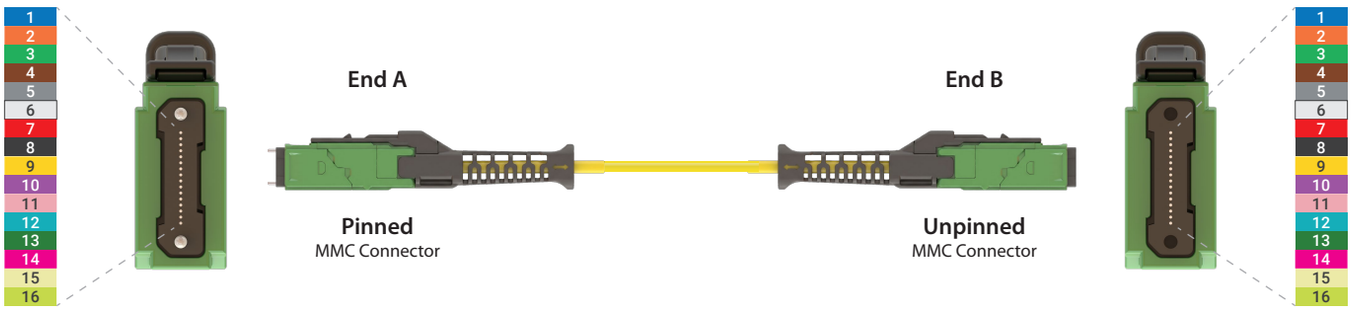
Jumper Assembly



MT19549-X	I-PC-16-TMT-025-A1-J-MMC16f-MMC16f-XXXM_Jumper Polaritiy
	MMC-16 APC (Female) to MMC-16 APC (Female), 16 Fibers, Cable Dia. 2,5mm, OS2 , Jumper Polarity, Yellow_ XXX Meters

*XXX designates length configuration; please specify when ordering.

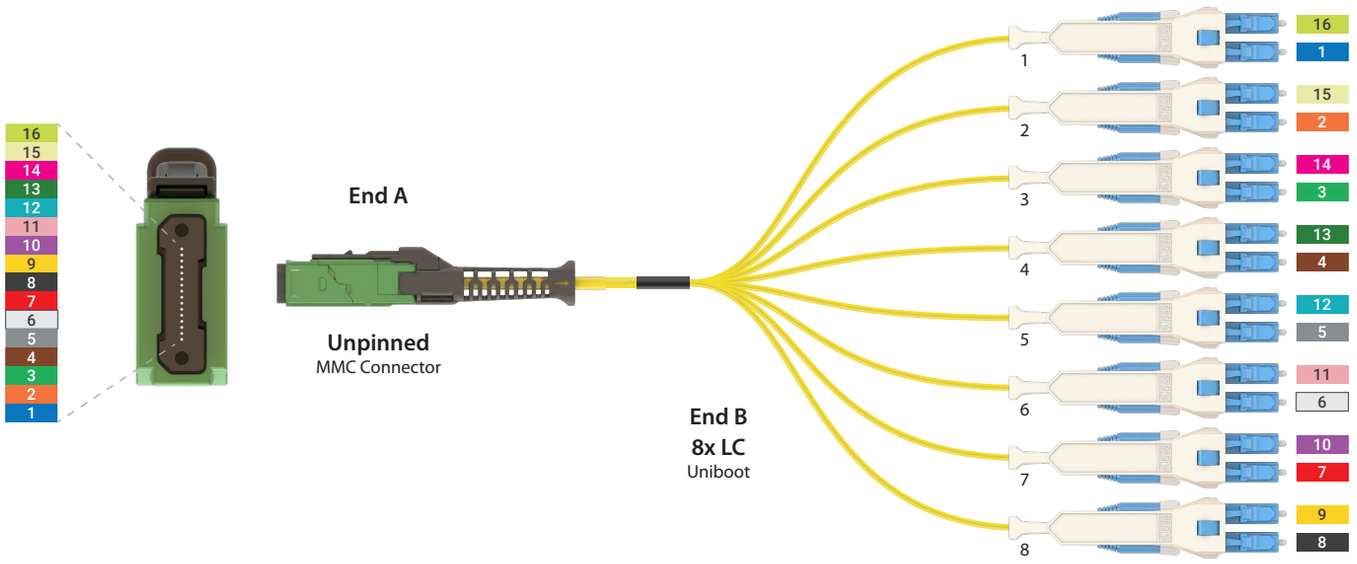
Extender Assembly



MT19928-X	I-PC-16-TMT-025-A1-E-MMC16f-MMC16m-XXXM_Extender Polaritiy
	MMC-16 APC (Female) to MMC-16 APC (Male), 16 Fibers, Cable Dia. 2,5mm, OS2 , Extender Polarity, Yellow_ XXX Meters

*XXX designates length configuration; please specify when ordering.

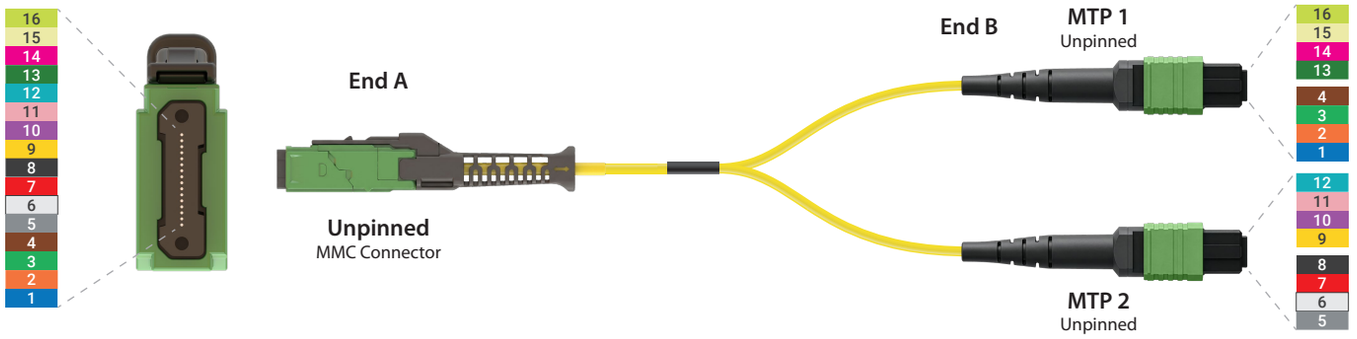
MMC-16 to LC Fan-out Harness Assemblies



MT19922-X	I-FC-16-TMT-025-A1-B-1xMMC16f- 8xLC(UNI30)-XXXM_Type B
	MMC-16 APC (Female) to 8xLC-UNI_Push Pull Tab, 16 Fibers, Cable Dia. 2,5mm, OS2 , Type B Polarity, Yellow_ XXX Meters

*XXX designates length configuration; please specify when ordering.

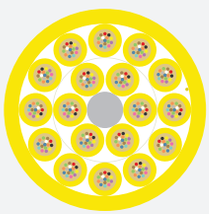
MMC-16 to 2xMTP Break-out Harness Assemblies



MT19923-X	I-BR-16-TMT-025-A1-B-1xMMC16f- 2xMTP-12-APC(Female)-XXXM_Type B
	MMC-16 APC (Female) to 2xMTPEf-APC, 16 Fibers, Cable Dia. 2,5mm, OS2 , Type B Polarity , Yellow_ XXX Meters

*XXX designates length configuration; please specify when ordering.

Available Cable Designes and Structures for MMC-16 Assemblies

Cable Design	Cable Construction		Fiber Count	Sub-unit Count	Filler Count	Sub-unit D. (mm) nom.	Cable Diameter (mm) nom.
I-B3-1B250		16F (1x16)	16	-	-	2.5	2.5
I-B3Q(ZN-AY)H-1B250		16F (1x16)	16	-	-	2.5	4.0
IT-B3H-4B250		32F (2x16)	32	2	2	2.5	8.0
IT-B3H-4B250		64F (4x16)	64	4	0	2.5	8.0
IT-B3H-8B250		128F (8x16)	128	8	0	2.5	11.4
IT-B3H-12B250		192F (12x16)	192	12	0	2.5	15.0
IT-B3H-18B250		288F (18x16)	288	18	0	2.5	15.0
IT-B3H-24B250		384F (24x16)	384	24	0	2.5	17.5

Fibers Color Coding (TIA-598-D-1)

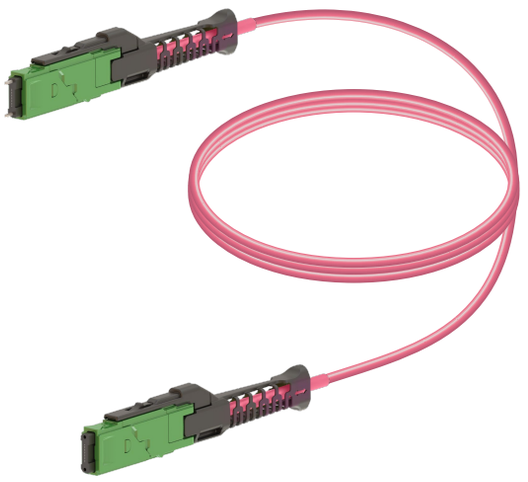
Number	1	2	3	4	5	6	7	8
Color	Blue	Orange	Green	Brown	Gray	White	Red	Black

Number	9	10	11	12	13	14	15	16
Color	Yellow	Violet	Pink	Aqua	Olive	Magenta	Tan	Lime

MMC-16 Multi-Mode Cable Assemblies

Designed for AI, Cloud & Next-Generation Data Centers

US Conec's MMC connector is a Very Small Form Factor (VSFF) multi-fiber optical connector designed for termination of single-mode and multimode fiber cables up to 2.5mm in diameter. The MMC connector employs novel TMT Elite™ ferrule technology harmonized with the MT or MT-16 alignment structure. Individual connector access in the most extremely dense connector environments is easily accomplished using revolutionary DirectConec™ push-pull boot technology.



Connector Specifications

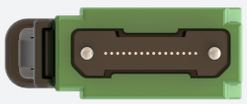
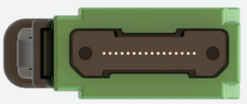
MMC 16F Specification	Telcordia GR-1435
Ferrule Type	16 TMT Elite™ by USCONEC
Connector Technology	DirectConec™ Push-Pull
Operation Temperature Range	-10°C to +70°C

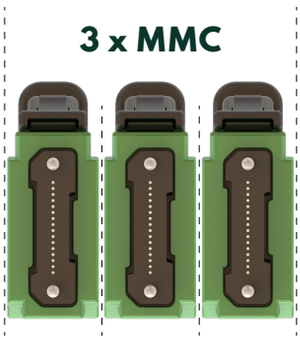
End-face Control Parameters

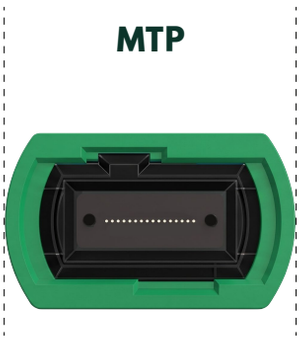
Geometry Inspection	UPC : IEC 61755-3-1
Visual Inspection	IEC 61300-3-35

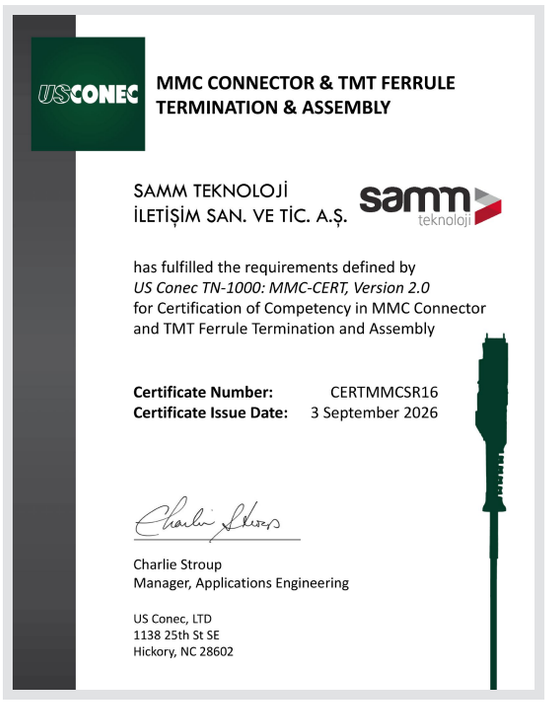
Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-Mode:	≤ 0.35dB Max. 0.15dB Typ.
Return Loss IEC61300-3-6 Method B	Multi-Mode APC:	≥ 60dB

MMC-16 / APC Male	MMC-16 / APC Female
	



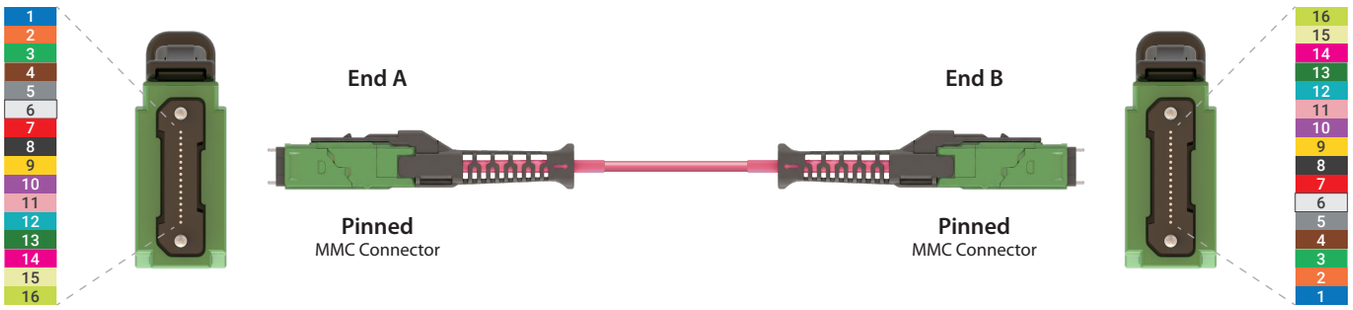




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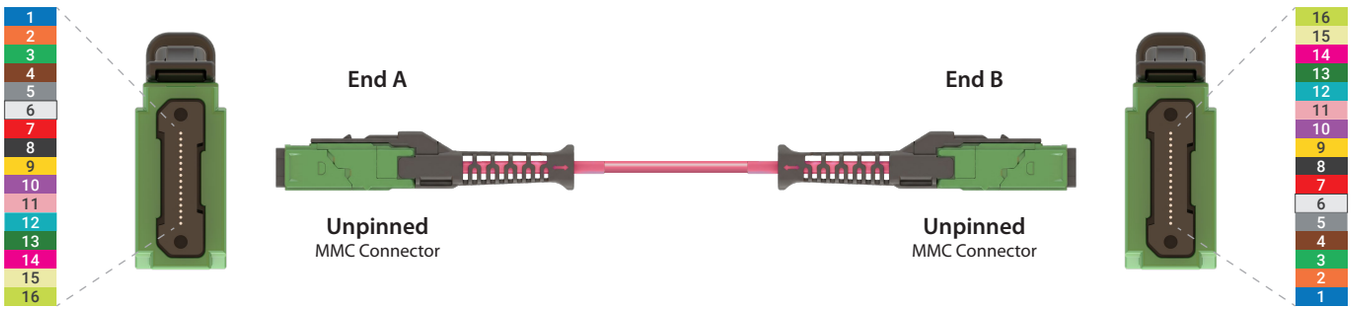
Trunk Assembly



MT19945-X	I-PC-16-TMT-025-M4-T-MMC16m-MMC16m-XXXM_Trunk Polaritiy
	MMC-16 APC (Male) to MMC-16 APC (Male), 16 Fibers, Cable Dia. 2,5mm, OM4, Trunk Polarity, Violet_XXX Meters

*XXX designates length configuration; please specify when ordering.

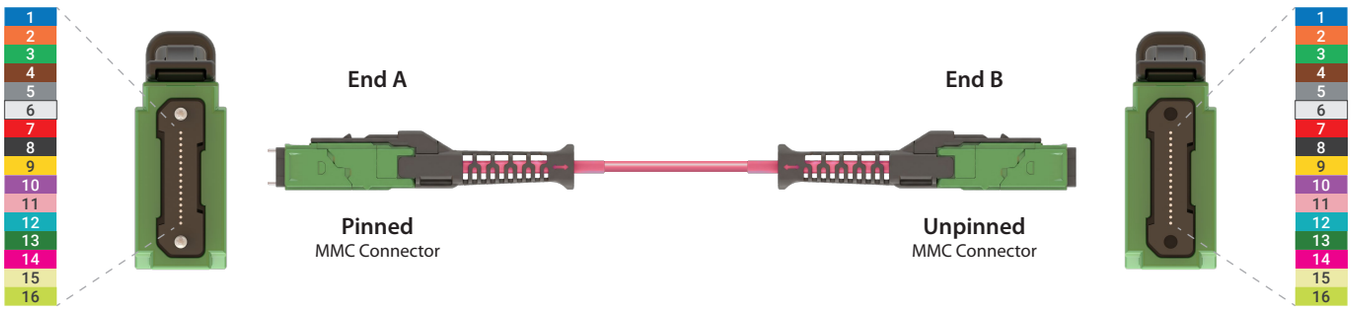
Jumper Assembly



MT19946-X	I-PC-16-TMT-025-M4-J-MMC16f-MMC16f-XXXM_Jumper Polaritiy
	MMC-16 APC (Female) to MMC-16 APC (Female), 16 Fibers, Cable Dia. 2,5mm, OM4, Jumper Polarity, Violet_ XXX Meters

*XXX designates length configuration; please specify when ordering.

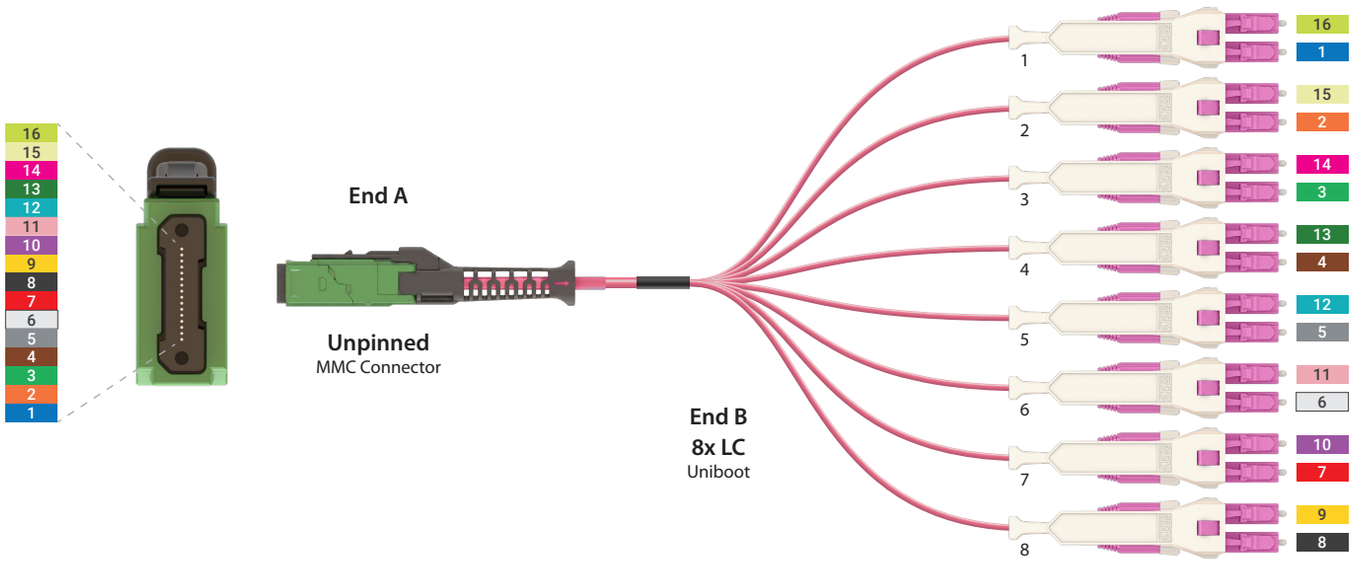
Extender Assembly



MT19947-X	I-PC-16-TMT-025-M4-E-MMC16f-MMC16m-XXXM_Extender Polaritiy
	MMC-16 APC (Female) to MMC-16 APC (Male), 16 Fibers, Cable Dia. 2,5mm, OM4, Extender Polarity, Violet_ XXX Meters

*XXX designates length configuration; please specify when ordering.

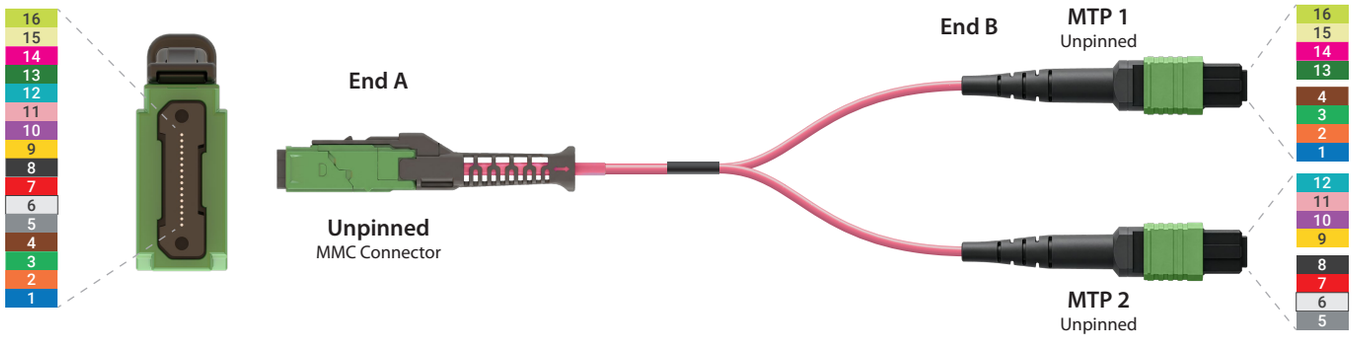
MMC-16 to LC Fan-out Harness Assemblies



MT19948-X	I-FC-16-TMT-025-M4-B-1xMMC16f- 8xLC(UNI30)-XXXM_Type B
	MMC-16 APC (Female) to 8xLC-UNI_Push Pull Tab, 16 Fibers, Cable Dia. 2,5mm, OM4, Type B Polarity, Violet_ XXX Meters

*XXX designates length configuration; please specify when ordering.

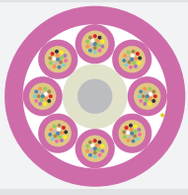
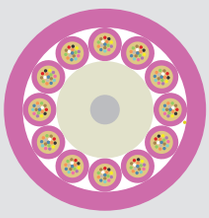
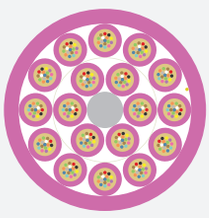
MMC-16 to 2xMTP Break-out Harness Assemblies



MT19949-x	I-BR-16-TMT-025-M4-B-1xMMC16f- 2xMTP-12-APC(Female)-XXXM_Type B
	MMC-16 APC (Female) to 2xMTPEf-APC, 16 Fibers, Cable Dia. 2,5mm, OM4, Type B Polarity , Violet_ XXX Meters

*XXX designates length configuration; please specify when ordering.

Available Cable Designes and Structures for MMC-16 Assemblies

Cable Design	Cable Construction		Fiber Count	Sub-unit Count	Filler Count	Sub-unit D. (mm) nom.	Cable Diameter (mm) nom.
I-B3-1B250		16F (1x16)	16	-	-	2.5	2.5
I-B3Q(ZN-AY)H-1B250		16F (1x16)	16	-	-	2.5	4.0
IT-B3H-4B250		32F (2x16)	32	2	2	2.5	8.0
IT-B3H-4B250		64F (4x16)	64	4	0	2.5	8.0
IT-B3H-8B250		128F (8x16)	128	8	0	2.5	11.4
IT-B3H-12B250		192F (12x16)	192	12	0	2.5	15.0
IT-B3H-18B250		288F (18x16)	288	18	0	2.5	15.0
IT-B3H-24B250		384F (24x16)	384	24	0	2.5	17.5

Fibers Color Coding (TIA-598-D-1)

Number	1	2	3	4	5	6	7	8
Color	Blue	Orange	Green	Brown	Gray	White	Red	Black

Number	9	10	11	12	13	14	15	16
Color	Yellow	Violet	Pink	Aqua	Olive	Magenta	Tan	Lime