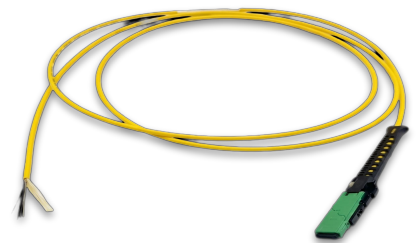


High-Density 16-Fiber IBR Pigtail Assemblies



Product Details

STL 16-Fiber pre-terminated single-mode pigtail assemblies, using STL's patented IBR rollable ribbon fibers, are designed to splice directly to Celesta Indoor/Outdoor or Indoor cables with Base-16 IBR fibers. The pigtail assemblies are pre-terminated on one end with either an MMC16 or MTP/MPO16 connector. STL's compact cable design uses G.657.A2 200 μ m colored fibers, aramid yarns, in a dry, water-blocked Riser (OFNR) jacket.

Features & Benefits:

- Ideal for use in Data Centers
- Offered in Riser (OFNR) jacket rating
- Offered standard with Single-mode G.657.A2 200 μ m fiber, enabling operation in confined spaces with tight routing and reduced bend radius.
- STL's Celesta Intermittently Bonded Ribbon (IBR) Cable's innovative bond design results in dense fiber packing and smaller cable diameter
- Supports 40-1600GB/s Ethernet and InfiniBand applications
- Offered with MMC16, MTP16 or MPO16 in both pinned and unpinned options

Product Specifications

Fiber Types	ITU-T G.657.A2 200 µm
Fiber Count	16
Jacket Colour	OS2: Yellow
Length Tolerance	Connector tip-to-blunt: 0 to 1m: +50mm/-0; 1m to 15m: +100mm/-0
Outer Jacket Material	OFNR/LSZH
Connector Housing	SM: Green
Connector Boot	Black

Optical Specifications

MMC/MPO Performance		Max IL (dB)	Min RL(dB)
Connector	Performance Level	@1310/1550nm	@1310/1550nm
SM MMC16/APC	Ultra Low Loss	≤ 0.35	≥ 65dB
SM MPO/APC	Low Loss	≤ 0.35	≥ 60dB
	Ultra Low Loss	≤ 0.30	

Optical Fiber Characteristics	
Parameter	Single-Mode Fiber
Fiber Type	ITU-T G.657.A2 200 µm
Operating Wavelengths (nm)	1310/1383/ 1550
Maximum Attenuation (dB/km)	0.4 /0.4 / 0.3

Mechanical Specifications

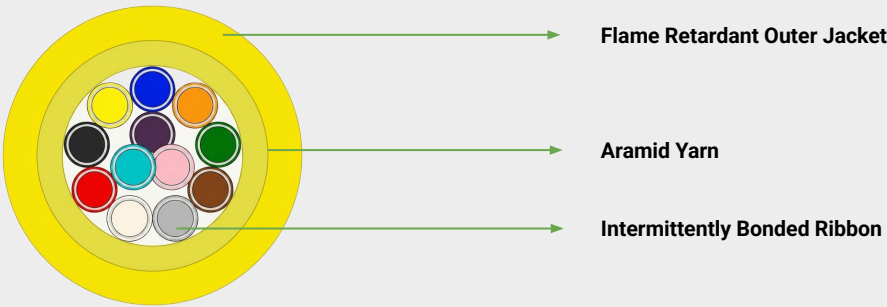
Cable Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard Method
Tensile Strength (N)	100 N*	ICEA 596 FOTP-33
Crush	350 N/100mm	ICEA 596 FOTP-41
Impact	0.74 Nm	ICEA 596 FOTP-25
Torsion	± 180°c, 4 Kg, 10 Cycles, 1 m	ICEA 596 FOTP-35
Cable Bend Radius - Long Term / Static	10 x Cable OD (outer diameter)	ICEA 596 FOTP-88
Cable Bend Radius - Short Term / Dynamic	15 x Cable OD (outer diameter)	ICEA 596 FOTP-88
Temperature Performance		ICEA 596 FOTP-3
Installation	0° C to +60° C	
Operation	-10° C to +60° C	
Storage	-40° C to +75° C	

Note: All tests shall be performed according to the ICEA standard. Change in attenuation after and before testing shall be

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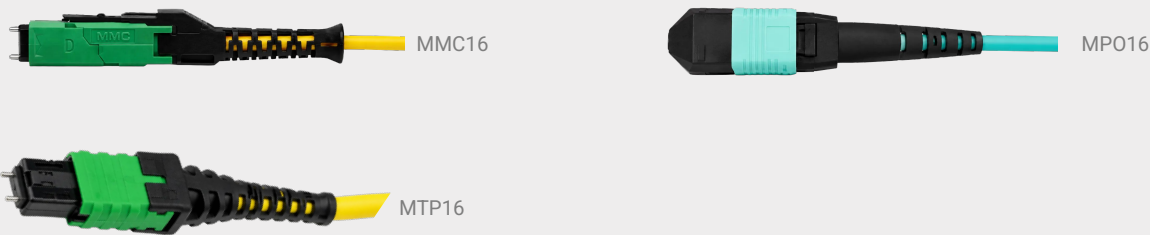


Fibers Color Sequence ¹											
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Olive	Magenta	Tan	Lime								

¹ Optical Fiber Color Coding (No Stripe, Solid Colors) (As Per TIA-598 D).

Mechanical Characteristics				
Fiber Count	Cable Nominal OD mm(inches)	Min Bend Radius -Long Term mm (inches)	Min Bend Radius-Short Term mm (inches)	Cable Weight Kg/km (lbs/Kft)
16	2.3 (0.09)	23 (0.9)	35 (1.35)	4.0 (0.002)

Connector Options



Fibers and Cable Performance Standards

- Cable assemblies comply to the following standards: IEC 60793, IEC 60794, ANSI/ICEA S-83-596, ITU-T, RoHS, REACH, EIA/TIA-598C
- UL 1651/1666 Standards:
- OFNR - Optical Fiber Non-Conductive Riser

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Part Numbers- MMC16 Pigtails

Connector Type	Part Number(m)	Part Number (ft)
MMC16 Pinned	ACJ6CRA25UTLMXXX	ACJ6CRA25UTLFXXX
MMC16 Unpinned	ACJ6CRA26UTLMXXX	ACJ6CRA26UTLFXXX

Part Numbers- MTP16 Pigtails

Connector Type	Part Number(m)	Part Number (ft)
MTP16 Pinned	ACJ6CRA15UTLMXXX	ACJ6CRA15UTLFXXX
MTP16 Unpinned	ACJ6CRA16UTLMXXX	ACJ6CRA16UTLFXXX

Part Numbers- MPO16 Pigtails

Connector Type	Part Number(m)	Part Number (ft)
MPO16 Pinned	ACJ6CRA31UTLMXXX	ACJ6CRA31UTLFXXX
MPO16 Unpinned	ACJ6CRA32UTLMXXX	ACJ6CRA32UTLFXXX

Note: XXX= length.Maximum Length of 10 meters recommended

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Part Number Configurator

1	2	3	4	5	6	7	8	9	10	11
Product Type	Cable Type	Fiber Type	Fiber Count	Jacket Type	Polarity	Connector 1	Connector 2	Loss Type	Length Unit	Length Unit
AC	J	6	C	R	A	25	UT	L	M	xxx

1	2	3	4	5	6
Product Type	Cable Type	Fiber Type	Fiber Count	Jacket Type	Polarity
AC Array Cord	L Indoor Micro Loose Tube J Indoor IBR	9 SM G657A1 250 μm 2 SM G657A2 250 μm 4 OM4 250 μm 6 SM G657A2 200 μm	A 8F B 12F C 16F D 24F E 32F	R OFNR/LSZH P OFNP	A Type A B Type B C Type C T MMC Trunk J MMC Jumper E MMC Extender

For other parameters refer next page

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Part Number Configurator

Product Specification

7 Connector 1		8 Connector 2		9 Loss Type		10 Length Unit		11 Length Unit	
11	8F MTP Base-8 pinned	11	8F MTP Base-8 pinned	L	Low Loss	M	Meter	001	1M
12	8F MTP Base-8 unpinned	12	8F MTP Base-8 unpinned						
13	12F MTP Base-12 pinned	13	12F MTP Base-12 pinned	U	Ultra Low Loss	F	Foot	010	10M
14	12F MTP Base-12 unpinned	14	12F MTP Base-12 unpinned						
15	16F MTP Base-16 pinned	15	16F MTP Base-16 pinned						
16	16F MTP Base-16 unpinned	16	16F MTP Base-16 unpinned						
17	24F MTP Base-24 pinned	17	24F MTP Base-24 pinned						
18	24F MTP Base-24 unpinned	18	24F MTP Base-24 unpinned						
21	8F MMC Base-8 pinned	21	8F MMC Base-8 pinned						
22	8F MMC Base-8 unpinned	22	8F MMC Base-8 unpinned						
23	12F MMC Base-12 pinned	23	12F MMC Base-12 pinned						
24	12F MMC Base-12 unpinned	24	12F MMC Base-12 unpinned						
25	16F MMC Base-16 pinned	25	16F MMC Base-16 pinned						
26	16F MMC Base-16 unpinned	26	16F MMC Base-16 unpinned						
27	24F MMC Base-24 pinned	27	24F MMC Base-24 pinned						
28	24F MMC Base-24 unpinned	28	24F MMC Base-24 unpinned						
31	16F MPO Base-16 pinned	31	16F MPO Base-16 pinned						
32	16F MPO Base-16 unpinned	32	16F MPO Base-16 unpinned						
33	8F MPO Base-8 pinned	33	8F MPO Base-8 pinned						
34	8F MPO Base-8 unpinned	34	8F MPO Base-8 unpinned						
35	12F MPO Base-8 pinned	35	12F MPO Base-8 pinned						
36	12F MPO Base-8 unpinned	36	12F MPO Base-8 unpinned						
		37	LC Unibody/UPC						
		38	LC Unibody/APC						
		39	LC Duplex UPC						
		40	LC Duplex APC						
		UT	Unterminated/ Pigtail						

Note: Maximum Length of 10 meters recommended

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