

I/O Pre-Terminated Fiber Trunk Assemblies

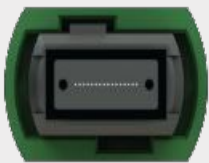
144F - 6912F



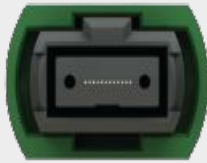
Features:

- Offered in Base-8, Base-12, Base-16 & Base-24 options
- Utilize MMC, MTP and MPO Connectors
- Offered in both 200 um and 250 um fiber
- STL's Celesta Intermittently Bonded Ribbon (IBR) Cable's innovative bond design results in dense fiber packing and smaller cable diameter
- Innovative Color coded bonded design for easier and faster Ribbon identification when supplied Blunt and ribbon filed splicing required
- STL Indoor/Outdoor cables are rated for Sunlight Resistance and can endure long-term outdoor exposure per UL1651 Standard

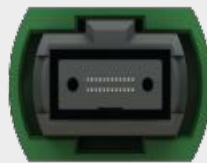
MPO



1x16



1x12



2x12

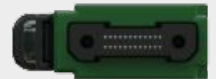
MMC



1x16



1x12



2x12

Product Specifications

Fiber Types	SM G.657 A2, SM G.657.A1, OM4
Fiber Count	144F - 6912F
Jacket Colour	SM: Black or Yellow, OM4: Aqua
Length Tolerance	Connector tip-to-tip: 0 to 30m: -0/+300mm; 30 to 300m: -0/+400mm
Outer Jacket Material	OFNR/LSZH
Connector Housing	SM: Green, OM4: Aqua
Connector Boot	Black

Optical Specifications

MPO/MMC Performance		Max IL (dB)	Min RL(dB)
Connector	Performance Level	@1310/1550nm	@1310/1550nm
SM MPO/APC	Low Loss	≤ 0.35	$\geq 60\text{dB}$
	Ultra Low Loss	≤ 0.30	
MM MPO/PC	Low Loss	≤ 0.30	$\geq 25\text{dB}$
	Ultra Low Loss	≤ 0.25	
MM MPO/APC	Low Loss	≤ 0.35	$\geq 60\text{dB}$
	Ultra Low Loss	≤ 0.30	
SM MMC16/APC SM MMC24/APC	Ultra Low Loss	≤ 0.35	$\geq 65\text{dB}$

Optical Fiber Characteristics			
Parameter	Single-Mode Fiber		Multimode Fiber
Fiber Type	ITU-T G.657.A2 250 μm	ITU-T G.657.A2 200 μm	OM4 250 μm
Operating Wavelengths (nm)	1310/1383/ 1550	1310/1383/ 1550	850 / 1300
Maximum Attenuation (dB/km)	0.4 / 0.4 / 0.3	0.4 / 0.4 / 0.3	3.0 / 1.0

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Cable Specification

Mechanical & Environmental Characteristics

Cable Characteristics	Cable Performance	Testing Standard Method
Crush	1000 N/100mm	ICEA 596/Section 7.23 FOTP-41
Impact	2.94 Nm	ICEA 596/Section 7.20 FOTP-25
Cable Bend Radius - Short Term/Dynamic	20x Cable OD (outer diameter)	ICEA 596/Section 7.16 FOTP-88
Cable Bend Radius - Long Term/Static	10x Cable OD (outer diameter)	ICEA 596/Section 7.16 FOTP-88
Temperature Performance		ICEA 596/Section 7.18 FOTP-3
Installation	-10° C to +60° C	
Operation	-40° C to +70° C	
Storage	-40° C to +70° C	

Note: All tests shall be performed according to the ICEA standard.

Cable Designs with 200 µm Fiber and 200 µm Pitch

Fiber count	No of Fibers / Unit bunch	No of bunch	No of IBR / Bunch (Base-12)	No of IBR / Bunch (Base-16)	Cable Dia. (mm)	Cable Wt. (kg/km)	Tensile (N)
144	144	1	12	9	11.8	150	1320
192	192	1	16	12	11.8	160	1320
288	288	1	24	18	12.8	170	1320
432	144	3	12	9	13.7	190	1320
576	144	4	12	9	14.5	210	1320
864	144	6	12	9	17.2	310	2700
1152	288	4	24	18	18.2	330	2700
1728	288	6	24	18	20.2	395	2700
3456	288	12	24	18	25.6	580	2700
6912	288	24 (288F/Unit bunch X 4 No) X 6 No	24	18	32.0	912	2700

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Cable Designs with 250 μ m Fiber and 250 μ m Pitch

Fiber count	No of Fibers / Unit bunch	No of bunch	No of IBR / Bunch (Base-12)	No of IBR / Bunch (Base-16)	Cable Dia. (mm)	Cable Wt. (kg/km)	Tensile (N)
144	144	1	12	9	11.8	150	1320
192	192	1	16	12	12.2	160	1320
288	288	1	24	18	12.8	175	1320
432	144	3	12	9	14.0	210	1320
576	144	4	12	9	15.0	240	1320
864	144	6	12	9	18.0	350	2700
1152	288	4	24	18	18.5	355	2700
1728	288	6	24	18	20.6	430	2700
3456	288	12	24	18	26.6	710	2700

Connector Options



*MMC16/24



* MPO12/16



* MTP12/16/24



*LC Unibody

Fiber & 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
- OFNP - Optical Fiber Non-Conductive Plenum, Compliant with NEC Article 770

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Part Number Configurator

1	2	3	4	5	6	7	8	9	10	11	12
Product Type	Cable Type	Fiber Type	Fiber Count	Jacket Type	Polarity	Connector 1	Connector 2	Loss Type	Pulling Eye	Length Unit	Length
MT	D	6	M	R	T	25	25	L	0	M	200

1 Product Type	2 Cable Type	3 Fiber Type	4 Fiber Count	5 Jacket Type	6 Polarity
MT MC	MTP MMC	D L J	6 2 9 4	R	A B C T E J
	Indoor/ Outdoor Cable	OS2 G657A2 200 um	144F	OFNR	Method A
		OS2 G657A2 250 um	192F		Method B
	Indoor Loose Tube	OS2 G657A1 250 um	288F		Method C
		OM4 250um	432F		MMC Trunk
	Indoor IBR		576F		MMC Extender
			864F		MMC Jumper
			1152F		
			1728F		
			3456F		
			6912F		

For other parameters refer next page

Example Part Number

Example	Description
MCD6MRT2525L1M0200	Fiber Trunk, 1728F, OS2 A2 200, OFNR, MMC16 (Pinned) to MMC16 (Pinned), Trunk Polarity, Low Loss, Pulling Eye End 2, 200m length

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Part Number Configurator

Product Specification

7	Connector 1	8	Connector 2
11	8F MTP Base-8 pinned	11	8F MTP Base-8 pinned
12	8F MTP Base-8 unpinned	12	8F MTP Base-8 unpinned
13	12F MTP Base-12 pinned	13	12F MTP Base-12 pinned
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
19	32F MTP Base-32 pinned	19	32F MTP Base-32 pinned
20	32F MTP Base-32 unpinned	20	32F MTP Base-32 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
UT	Unterminated (Blunt)	UT	Unterminated (Blunt)

9	Loss Type
L	Low Loss
U	Ultra Low Loss

11	Length Unit
M	Meter
F	Foot

10	Pulling Eye
0	No Pulling Eye
1	Pulling Eye, Connector 2 end
2	Pulling Eye, Both Ends
3	Pulling Eye, Connector 1 end

12	Length
0001	1M or F
9999	Max M or F

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