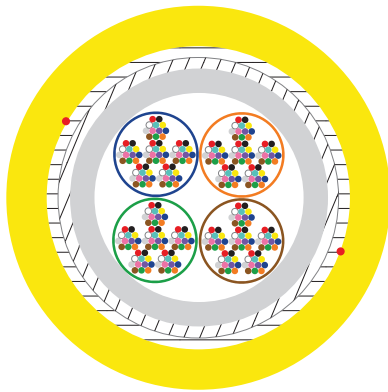


## Indoor Plenum Flex Ribbon Cable (RDPF)

### APPLICATION

Leviton's plenum-rated central tube optical fiber ribbon cable features single-mode 12 fiber ribbons in a dry central tube, surrounded by dielectric strength members and a plenum-rated outer jacket. The 12 fibers, coated with dual acrylate, are in a peelable UV curable matrix for easy separation during splicing or MPO connector termination. Identified per TIA/EIA-598, the ribbons are stacked in a dry central tube with two layers of flexible strength members and an extruded cable jacket for tensile strength and crush resistance. The outer jacket is made of plenum-grade thermoplastic.



### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](http://Leviton.com/ns/warranty)

### FEATURES & BENEFITS

- Step-index G.657.A1 single-mode optical fiber
- Protective UV cured acrylate ribbon coating in a flexible structure
- Every fiber is subjected to a 0.7 Gpa (100 kpsi) minimum proof stress per TIA/EIA FOTP-31
- Peelable UV curable matrix material
- Ribbons are easily separated for single fiber splicing if needed
- Two layers of flexible strength members
- Qualified to ICEA S-83-596 and Telcordia GR-409
- Easily interfaced to MT and MPO based connectors, as well as today's newest ribbon connectors
- Mass fusion splicing ribbon cable enables faster project completion and reduced labor costs
- On 144F cables, mass fusion splicing 12F-to-12F requires 92% fewer splices than single fiber-to-fiber splicing
- A single fiber holder can also be used in the mass splicer; no need to worry about multiple machines if a mass splicer is on hand
- Cable design offers excellent mechanical performance with superior crush and flex ratings

### STANDARDS & REGULATIONS

- EN 50173
- ISO/IEC 11801
- ANSI/ICEA S-83-596
- Telcordia GR-409
- ANSI/TIA-568.3-D
- ETHERNET: 10BASE – 40GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fibre Channel: 1G-FC – 128GFC (1, 2, 4, 8, 16, 32, 128 GFC)
- SONET: OC-1 – OC-768 (OC -1, 3, 12, 24, 48, 192, 768)
- SDH: STM-0 – STM-256 (STM-0, 1, 4, 16, 64, 256)
- OTN: OTU-1 – OTU4 (OTU1, 2, 2e, 2f, 3, 3e2, 4)
- CPRI: CPRI-1 – CPRI-9 (CPRI-1, 2, 3, 4, 5, 6, 7, 7a, 8, 9)
- PON (SMF only): RFoG, APON, BPON, EPON, GPON, WDM-PON, NG-PON

# PRODUCT SPECIFICATIONS

## Indoor Plenum Flex Ribbon Cable (RDPF)

FIBER DATA AND SHEATH COLORS										
Fiber Type	Part Number Suffix	Leviton Fiber	Core Size	Wavelength (nm)	Maximum Attenuation (dB/km)	Distance (meters)				Sheath Color
Single-mode Bend Insensitive - ITU-T G.652.D and G.657.A1 Compliant						1 GbE	10 GbE	40 GbE	100 GbE	
OS2	AB0403	Standard for Central Tube Ribbon	SMF	1310/1550	0.4/0.3	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Black

TECHNICAL SPECIFICATIONS	
<b>Construction</b>	
Type of cable	Flex Ribbon
Jacket material	Plenum-grade Thermoplastic
<b>Usage Characteristics</b>	
Temp. (Storage):	-40 °C to +70 °C (-40 °F to +158 °F)
Temp. (Installation):	0 °C to +60 °C (+32 °F to +140 °F)
Temp. (Operating):	-0 °C to +70 °C (+32 °F to +158 °F)

RIBBON COLOR CODE	
Ribbon No.	Marking
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

TECHNICAL SPECIFICATIONS													
Fiber Count	Part Numbers	Diameter		Weight		Min. Bend Radius				Max. Loading			
		in	mm	lb./kft	kg/km	Install		Long Term		Install		Long Term	
						in	cm	in	cm	lbf	N	lbf	N
12	RDPF12B012AB0403-M4	0.41	10.3	86	128	8.2	20.6	4.1	10.3	300	1340	100	450
24	RDPF12B024AB0403-M4	0.41	10.3	87	129	8.2	20.6	4.1	10.3	300	1340	100	450
48	RDPF12B048AB0403-M4	0.41	10.3	88	131	8.2	20.6	4.1	10.3	300	1340	100	450
72	RDPF12B072AB0403-M4	0.43	11.0	91	135	8.6	22.0	4.3	11.0	300	1340	100	450
96	RDPF12B096AB0403-M4	0.43	11.0	92	138	8.6	22.0	4.3	11.0	300	1340	100	450
144	RDPF12B144AB0403-M4	0.47	12.0	103	153	9.4	24.0	4.7	12.0	300	1340	100	450
192	RDPF12B192AB0403-M4	0.57	14.4	130	193	11.4	28.8	5.7	14.4	300	1340	100	450
288	RDPF12B288AB0403-M4	0.57	14.4	134	200	11.4	28.8	5.7	14.4	300	1340	100	450

For further support information, visit [Leviton.com/ns/support](http://Leviton.com/ns/support)