

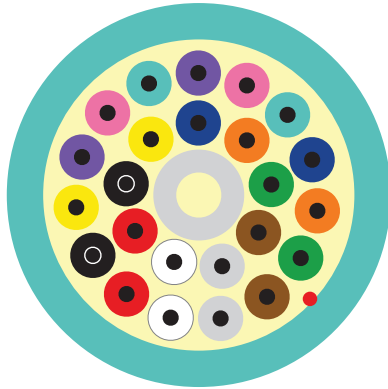
PRODUCT SPECIFICATIONS

Indoor Plenum Premises Distribution Cable (PDP)

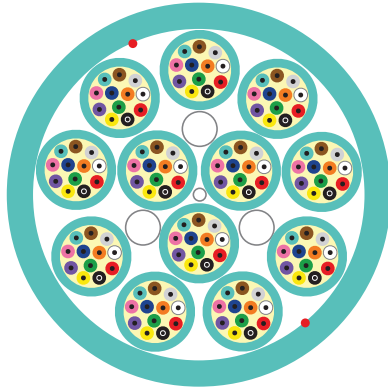
Indoor Plenum Premises Distribution Cable (PDP)

APPLICATION

Leviton Premises Distribution Cable is a plenum rated tight-buffered fiber optic cable designed for installation in plenum, riser and horizontal environments, and interbuilding backbone structures.



For fiber counts up to 24



For fiber counts from 48-144

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/ns/warranty

FEATURES & BENEFITS

- Single-mode, multimode, and hybrid designs available
- Available with bend-optimized single-mode fibers
- High tensile strength, crush resistant
- Flexible, small diameter, 900 µm tight buffered construction
- 6- to 144-count fiber construction plenum design is ideal for horizontal and backbone installations and along plenums
- Available in low smoke zero halogen riser rated design
- Configurations available suitable for indoor/outdoor installations in conduit below the frost line
- Aluminum interlock armor is available
- Cost saving design, easy to install and terminate
- Provides for greater pulling distances thus reducing installation time
- Broad design selection allows for mix and match of fiber components to specific networking applications
- Sheathed using a special, state-of-the-art polymer material
- All dielectric

DESIGN CONSIDERATIONS

- Black jacketed and water-blocked cables from 6 to 144 fibers are available upon request for outdoor installations
- Outdoor versions feature UV and fungus resistant jacketing

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; NFPA 130; NFPA 262; Telcordia GR-409
- ETHERNET: 10BASE – 40GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fibre Channel: 1GFC – 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

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CHARACTERISTICS

Construction

Type of Cable: Tight Buffered (TB)

Usage Characteristics

Temperature (Operating): -20 °C to +75 °C

Temperature (Installation): 0 °C to +75 °C

Temperature (Storage): -40 °C to +85 °C

OFNP Rated: Yes

TECHNICAL DATA - PHYSICAL

Fiber	Part Number Prefix	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
6	PDP006	0.180	4.6	13	19	2.7	6.9	1.8	4.6	150	667	45	200
12	PDP012	0.215	5.5	18	27	3.2	8.2	2.2	5.5	150	667	45	200
24	PDP024	0.288	7.3	34	51	4.3	11.0	2.9	7.3	150	667	45	200
36	PDP12B036	0.496	12.6	102	153	7.4	18.9	5.0	12.6	300	1335	90	400
48	PDP12B048	0.558	14.2	127	189	8.4	21.3	5.6	14.2	600	2670	180	800
72	PDP12B072	0.671	17.0	191	284	10.1	25.6	6.7	17.0	600	2670	180	800
96	PDP12B096	0.859	21.8	292	434	12.9	32.7	8.6	21.8	600	2670	180	800
144	PDP12B144	0.896	22.8	301	447	13.4	34.1	9.0	22.3	1000	4445	300	1335

FIBER DATA AND SHEATH COLORS

Fiber Type	Part Number Suffix	Leviton Fiber	Core Size	Wavelength (nm)	Maximum Attenuation (dB/km)	Effective Modal Bandwidth @ 850 nm (MHz·km)	Distance (meters)				Sheath Color
Multimode - 62.5 µm Standard, and 50 µm Bend Insensitive							1 GbE	10 GbE	40 GbE	100 GbE	
OM1	CB3510/25	CB	62.5 µm	850/1300	3.5/1.0	200	300	33	N/A	N/A	Orange
OM3	EB3010/25	EB	50 µm	850/1300	2.8/0.8	2000	1000	300	100	70	Aqua
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100	Aqua
OM4+	XB3010/X5	XB	50 µm	850/1300	2.8/0.8	4900	1210	600	300	150	Violet
WideBand Multimode - Bend Insensitive							1 GbE	10 GbE	40 GbE	100 GbE	
OM5	WB3010/W5	WB	50 µm	850-953/1300	2.8/0.8	4700	1040	550	190	100	Lime Green
Single-mode Bend Insensitive - ITU-T G.652.D and G.657.A1 Compliant							1 GbE	10 GbE	40 GbE	100 GbE	
OS2	AB0707	AB	SMF	1310/1550	0.5/0.5	N/A	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Yellow

For further support information, visit Leviton.com/ns/support