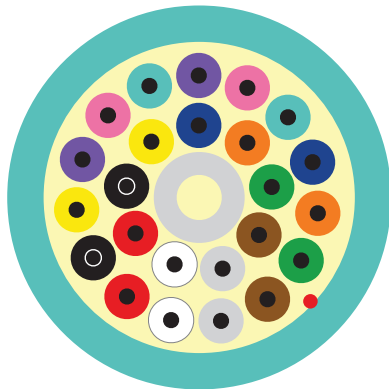


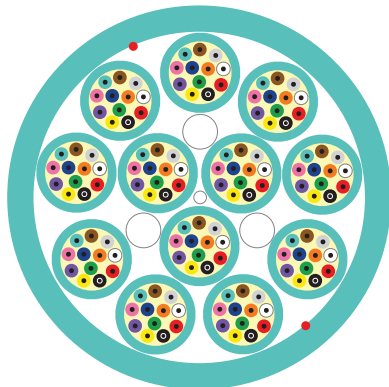
## Indoor/Outdoor Plenum Premises Distribution Cable (PDP-I/O)

### APPLICATION

Plenum rated Indoor/Outdoor tight-buffer cables are designed specifically for LAN/WAN campus and building backbone cabling infrastructure. The thermoplastic jacketed cables are suitable for indoor/outdoor installations in conduit below the frost line. This fiber optic cable is designed for installation in plenum, riser, horizontal environments, and interbuilding backbone structures. This design incorporates tight buffered optical fibers within a dry water blocked cable core and is recommended for conduit systems likely to fill with water. Suitable for operation across wide temperature variations typically addressed by outside plant cables.



For fiber counts up to 24



For fiber counts from 36 to 144

### BENEFITS

- Cost-saving design, easy to install and terminate
- Provides greater pulling distances thus reducing installation time
- Broad design selection allows for mix and match of fiber components to specific networking applications
- One cable design meets all structured cabling network communications applications

### FEATURES

- Water blocked cables feature fungus resistant jacketing, and are sunlight resistant per UL 444 clause 7.22
- DryGel water blocking system in the cable core
- Available with bend-optimized single-mode fibers
- 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
- Configurations suitable for indoor/outdoor installations in conduit below the frost line
- High tensile strength and small diameter design
- Single-mode, multimode, and hybrid designs available
- Also available in low smoke zero halogen (LSZH)
- Available in Aluminum interlock armor (ARMOR-TEK™)
- No buffer tube fanout kits are required
- Direct termination is enabled

### STANDARDS & REGULATIONS

- International EN 50173; ISO/IEC 11801
- National ANSI/ICEA S104-696; ANSI/ICEA S-83-596; ANSI/TIA-568.3D; NFPA 130; Telcordia GR-409
- ETHERNET: 10BASE – 40GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fiber 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 (STM0, 1, 4, 16, 64, 256)
- OTN: OTU-1 – OTU4 (OTU1, 2, 2e, 2f, 3, 3e2, 4)
- CPRI: CPRI-1– CPRI-9 (CPRI1, 2, 3, 4, 5, 6, 7, 7a, 8, 9)
- PON (SMF ONLY): RFoG, APON, BPON, EPON, GPON, WDM-PON, NG-PON

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

# PRODUCT SPECIFICATIONS

## Indoor/Outdoor Plenum Premises Distribution Cable (PDP-I/O)

Indoor/Outdoor Plenum Premises Distribution Cable (PDP-I/O)

### CHARACTERISTICS

#### Construction

Type of cable	Tight Buffered (TB)
Jacket material	Plenum

#### Usage Characteristics

Temperature (Operating):	-40 °C to +75 °C
Temperature (Installation):	0 °C to +70 °C
Temperature (Storage):	-40 °C to +85 °C

### 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-I/O	0.180	4.6	13	19	2.7	6.9	1.8	4.6	150	667	45	200
12	PDP012-I/O	0.215	5.5	18	27	3.2	8.2	2.2	5.5	150	667	45	200
24	PDP024-I/O	0.288	7.3	34	51	4.3	11.0	2.9	7.3	150	667	45	200
36	PDP12B036-I/O	0.521	13.2	112	166	7.8	19.9	5.2	13.2	300	1335	90	400
48	PDP12B048-I/O	0.558	14.2	136	202	8.4	21.3	5.6	14.2	600	2670	180	800
72	PDP12B072-I/O	0.671	17.0	212	316	10.1	25.6	6.7	17.0	600	2670	180	800
96	PDP12B096-I/O	0.859	21.8	313	466	12.9	32.7	8.6	21.8	600	2670	180	800
144	PDP12B144-I/O	0.896	22.8	318	474	13.4	34.1	9.0	22.8	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
<b>Multimode - 62.5 µm Standard, and 50 µm Bend Insensitive</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
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
<b>WideBand Multimode - Bend Insensitive</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
OM5	WB3010/W5	WB	50 µm	850-953/1300	2.8/0.8	4700	1040	550	190	100	Lime Green
<b>Single-mode Bend Insensitive - ITU-T G.652.D and G.657.A1 Compliant</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
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](http://leviton.com/ns/support)