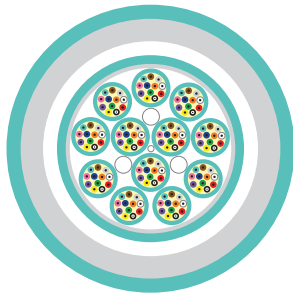


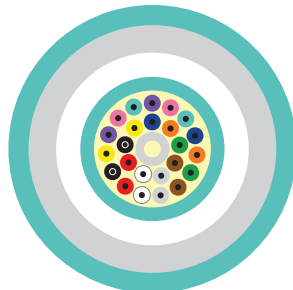
## Indoor/Outdoor Plenum Premises Distribution with ARMOR-TEK™ (PDPK-I/O)

### APPLICATION

Plenum rated Indoor/Outdoor Premises Distribution cables are designed specifically for LAN/WAN campus and building backbone cabling infrastructure. The tight buffered indoor/outdoor plenum interlock armored cables are designed for installation in plenum, horizontal, and interbuilding backbone structures. Suitable for operation across wide temperature variations typically addressed by outside plant cables, and for use in conduit below the frost line. No buffer tube fanout kits are required. Loose tube cables are recommended if interbuilding conduit systems lie above the frost line and are likely to fill with water. Tight buffered fiber cables are not suitable for aerial lashed installations.



For fiber counts from 36-144



For fiber counts up to 24

### BENEFITS

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

### FEATURES

- ARMOR-TEK Interlocking Armor is wound around the cable core
- Each cable incorporates tight buffered optical fibers with DryGel water blocking system in the core cable
- Cables feature fungus-resistant jacketing, and are sunlight resistant per UL 444 clause 7.22
- An upjacketed aramid strength member is centrally located within the 24 fiber cable design. A glass reinforced (GRP) antibuckling member is used as a central strength member for fiber counts from 36 to 144 that feature 12 fiber subunits
- Aluminum interlock armor is covered by a plenum rated jacket
- Flexible cost-saving design, easy to install and terminate, direct termination is enabled
- Tight buffered (900 µm) 6 to 144 count fiber construction plenum rated indoor/outdoor designs is ideal for backbone installations
- Single-mode, multimode, and hybrid designs available
- Also available in a riser-rated Low Smoke Zero Halogen design
- OFCP Rated

### STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/ICEA S-104-696; ANSI/TIA-568.3-D; NFPA 130; NFPA 262; Telcordia GR-409
- 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

### 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 with ARMOR-TEK™ (PDPK-I/O) Network Solutions

#### 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 +75 °C
Temperature (Storage):	-40 °C to +85 °C

#### TECHNICAL DATA - PHYSICAL

Fiber	Part Number Prefix	Diameter		Weight		Min. Bend Radius				Max. Loading			
						Install		Long Term		Install		Long Term	
		in.	mm	lb./kft	kg/km	in.	cm	in.	cm	lbf.	N	lbf.	N
6	PDPK006-I/O-C4C5(ccc)	0.499	12.7	81	120	7.5	19.0	5.0	12.7	150	667	45	200
12	PDPK012-I/O-C4C5(ccc)	0.527	13.4	90	133	7.9	20.1	5.3	13.4	150	667	45	200
24	PDPK024-I/O-C4C5(ccc)	0.590	15.0	116	172	8.9	22.5	5.9	15.0	150	667	45	200
36	PDPK12B036-I/O-C2C4C5(ccc)	0.821	20.9	233	347	12.3	31.3	8.2	20.9	300	1335	90	400
48	PDPK12B048-I/O-C2C4C5(ccc)	0.921	23.4	274	408	13.8	35.1	9.2	23.4	600	2670	180	800
72	PDPK12B072-I/O-C2C4C5(ccc)	0.974	24.7	361	537	14.6	37.1	9.7	24.7	600	2670	180	800
96	PDPK12B096-I/O-C2C4C5(ccc)	1.225	31.1	503	749	18.4	46.7	12.3	31.1	600	2670	180	800
144	PDPK12B144-I/O-C2C4C5(ccc)	1.225	31.1	508	756	18.4	46.7	12.3	31.1	1000	4445	300	1335

Note: Use the next table, Fiber Data and Sheath Colors, to determine the sheath color per the fiber type. The first three letters of the color are used where ccc appears at the end of the part numbers above. (ORA, AQU, VIO, LIM, or YEL)

#### FIBER DATA AND SHEATH COLORS

Fiber Type	Part Number Suffix	Berk-Tek 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)