

PRODUCT SPECIFICATIONS

Indoor Plenum Premises Distribution Cable with ARMOR-TEK (PDPK)

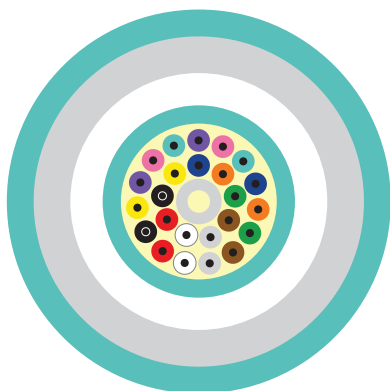
Berk-Tek[®]

a **LEVITON** company

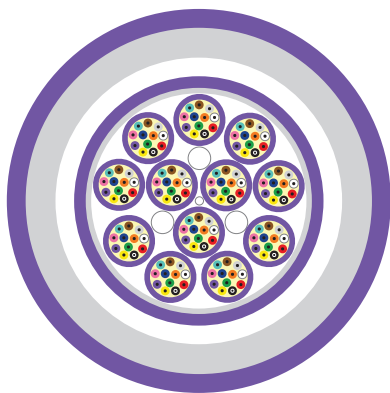
Indoor Plenum Premises Distribution Cable with ARMOR-TEK™ (PDPK)

APPLICATION

Leviton Premises Distribution cable is a plenum rated tight buffered design. ARMOR-TEK interlocking armor is wrapped around the premises distribution cable core. A plenum rated sheath is the extruded around the interlocking armor.



For fiber counts up to 24



For fiber counts from 36-144

BENEFITS

- Eliminates the need for conduit or plenum innerduct
- Significant cost savings in both materials and labor, up to 25%
- Accommodates last minute relocations and pathway changes
- Provides a higher concentration of cables in an area than conduit
- Can be installed in campus environments due to the durability and indoor/outdoor rating of the cable
- Armor provides protection from crush and rodent attacks

FEATURES

- 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 core
- 6 to 144 count fiber construction plenum designs ideal for horizontal and backbone installations and along plenums
- Also available in low smoke zero halogen design
- Configurations available suitable for indoor/outdoor installations in conduit below the frost line

DESIGN CONSIDERATIONS

- Black jacketed and core 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; 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

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CHARACTERISTICS

Construction

Type of cable	Tight Buffered (TB)
Jacket material	Plenum
Armor type	Aluminum Interlock

Usage Characteristics

OFCP Rated	Yes
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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	0.499	12.7	81	120	7.5	19.0	5.0	12.7	150	667	45	200
12	PDPK012	0.527	13.4	90	133	7.9	20.1	5.3	13.4	150	667	45	200
24	PDPK024	0.590	15.0	116	172	8.9	22.5	5.9	15.0	150	667	45	200
36	PDPK12B036	0.821	20.9	233	347	12.3	31.3	8.2	20.9	300	1335	90	400
48	PDPK12B048	0.921	23.4	274	408	13.8	35.1	9.2	23.4	600	2670	180	800
72	PDPK12B072	0.974	24.7	361	537	14.6	37.1	9.7	24.7	600	2670	180	800
96	PDPK12B096	1.225	31.1	503	749	18.4	46.7	12.3	31.1	600	2670	180	800
144	PDPK12B144	1.225	31.1	508	756	18.4	46.7	12.3	31.1	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

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