

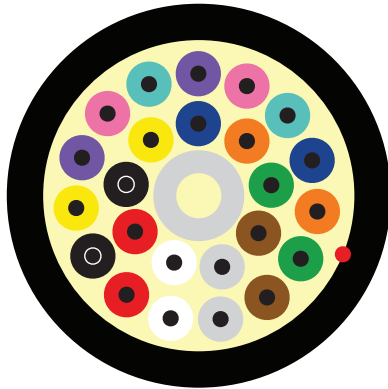
PRODUCT SPECIFICATIONS

BERK-TEK™ Indoor/Outdoor Riser Premises Distribution Cable (PDR-I/O)

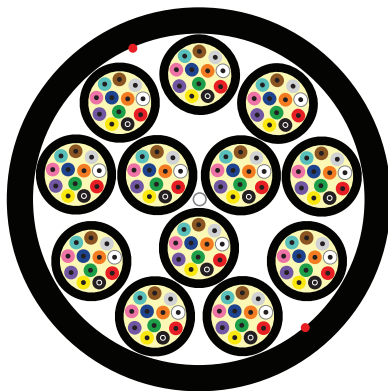
BERK-TEK Indoor/Outdoor Riser Premises Distribution Cable (PDR-I/O)

APPLICATION

Riser Rated Indoor/Outdoor Tight Buffer cables are designed specifically for LAN/WAN campus and building backbone cabling infrastructure. Suitable for Indoor/Outdoor installations, in conduit, below the frost line. These waterblocked cables feature fungus-resistant jacketing, and are sunlight resistant per UL 444 clause 7.22. Loose tube cables are recommended if inter-building conduit systems lie above the frost line and are likely to fill with water. Tight Buffer fiber cables are not suitable for aerial-lashed installations.



For fiber counts up to 24



For fiber counts from 48-144

FEATURES & BENEFITS

- Each cable utilizes our dry water blocking technology system in the cable core
- Cable design can accommodate from 6-144 tight buffered (900 µm) fibers
- A glass reinforced (GRP) antibuckling member is centrally located within cables having fiber counts from 24-144
- All dielectric OFNR
- Interlocking Armor (ARMOR-TEK™) versions are available using aluminum armor
- Cost-saving design, easy to install and terminate
- Provides for greater pulling distances thus reducing installation time
- Assurance that cables will meet required specifications for communication networking applications
- 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

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/ICEA S-83-596; ANSI/TIA568.3D; 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

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	Riser

Usage Characteristics

Temperature (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)
Temperature (Installation):	-20 °C to +75 °C (-4 °F to +167 °F)
Temperature (Storage):	-40 °C to +85 °C (-40 °F to +185 °F)

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 Optimized							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 Optimized							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 Optimized - 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

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Network Solutions

FIBER OPTIC CABLE PART NUMBERING PLATFORM

Sample Part Numbers: [PDR 012 AB0707 -I/O-\(BLA\)](#)
[PDR 12B048 FB3010/F5 -I/O-\(BLA\)](#)

CABLE PREFIX

CABLE FAMILY		CABLE OPTIONS		FIBER COUNT	
PD	Premises Distribution	R	Riser	006	Strand 6-144
		RK	Riser Armor-Tek		
		RZ	Riser Zero Halogen		
				12Bxxx	Subunit Design: xxx = strand count 6 - 24 Fiber (006 to 024) > 24 fibers (12B036 to max strand count)

FIBER SUFFIX

FIBER TYPE		SUFFIX	
CB3510/25	OM1	-I/O	Tight Buffer Indoor/Outdoor
EB3010/25	OM3		
FB3010/F5	OM4		
XB3010/X5	OM4+		
WB3010/W5	OM5		
AB0707	OS2 (TB)		

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	PDR006-I/O(BLA)	0.224	5.7	18	27	3.4	8.5	2.2	5.7	150	667	45	200
12	PDR012-I/O(BLA)	0.246	6.2	25	37	3.7	9.4	2.5	6.2	150	667	45	200
24	PDR024-I/O(BLA)	0.335	8.5	47	70	5.0	12.8	3.4	8.5	300	1335	90	400
36	PDR12B036-I/O(BLA)	0.555	14.1	108	161	8.3	21.1	5.6	14.1	300	1335	90	400
48	PDR12B048-I/O(BLA)	0.590	15.0	131	196	8.9	22.5	5.9	15.0	600	2670	180	800
72	PDR12B072-I/O(BLA)	0.732	18.6	203	301	11.0	27.9	7.3	18.6	600	2670	180	800
96	PDR12B096-I/O(BLA)	0.880	22.4	291	433	13.2	33.5	8.8	22.4	600	2670	180	800
144	PDR12B144-I/O(BLA)	0.930	23.6	310	461	14.0	35.4	9.3	23.6	1000	4445	300	1335

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