

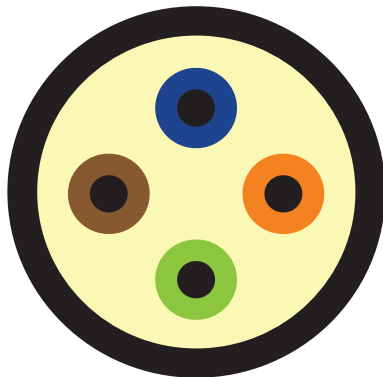
## PRODUCT SPECIFICATIONS

### BERK-TEK™ Indoor/Outdoor Riser Interconnect (ICR-IO)

## BERK-TEK Indoor/Outdoor Riser Interconnect (ICR-IO)

### APPLICATION

Leviton's BERK-TEK 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. This fiber optic cable is designed for installation in riser and horizontal environments and interbuilding backbone structures. This design incorporates tight buffered optical fibers within a dry water blocked cable core. Suitable for operation across wide temperature variations typically addressed by outside plant cables. No Buffer Tube Fanout kits are required. Direct termination is enabled. The all dielectric OFNR cable design can accommodate 2 or 4 tight buffered (900 µm) fibers. Interlocking Armor (ARMOR-TEK™) versions are available using aluminum armor. These waterblocked cables feature fungus resistant jacketing, and are sunlight resistant per UL 444 clause 7.22. Tight Buffer fiber cables are not suitable for aerial lashed installations.



For fiber counts from 1, 2 and 4

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

### FEATURES & BENEFITS

- Flexible, small diameter, 900 µm tight buffered construction
- High tensile strength and small diameter design
- 1, 2, and 4 fiber designs for patch cable and horizontal installations
- Also available in Low Smoke Zero Halogen (LSZH) design
- Cost-saving design is easy to install and terminate
- Space-saving design allows for dense cable installations
- 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

- ETHERNET: 10BASE – 400GBASE (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
- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3; Telcordia GR-409

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**TECHNICAL SPECIFICATIONS**

Construction	
Type of cable	Tight Buffer (TB)
Jacket material	Riser
Usage Characteristics	
Temp. (Storage):	-40 °C to +85 °C (-40 °F to +185 °F)
Temp. (Installation):	-10 °C to +70 °C (+14 °F to +158 °F)
Temp. (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

**TECHNICAL DATA**

Fiber Type	Fiber Code	Leviton Fiber	Core Size	Wavelength (nm)	Maximum Attenuation (dB/km)	Effective Modal Bandwidth @ 850 nm (MHz*km)	Distance (meters)				Sheath Color
							1 GbE	10 GbE	40 GbE	100 GbE	
<b>Multimode - 62.5 µm Standard, and 50 µm Bend Optimized</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	Black
OM3	EB3010/25	EB	50 µm	850/1300	2.8/0.8	2000	1000	300	100	70	Black
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100	Black
OM4+	XB3010/X5	XB	50 µm	850/1300	2.8/0.8	4900	1210	600	300	150	Black
<b>WideBand Multimode - Bend Optimized</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	Black
<b>Single-mode Bend Optimized - 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	Black

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**FIBER OPTIC CABLE PART NUMBERING PLATFORM**

Sample Part Number for 2 fiber OM4: [IC R 001](#) [FB3010/F5](#) - [I/O \(BLA\)](#)

**CABLE PREFIX**

**FIBER SUFFIX**

CABLE FAMILY		CABLE OPTIONS		FIBER COUNT	
IC	Interconnect	R	Riser	001	Strand 1-4
		RK	Riser Armor-Tek		
		RZ	Riser Zero Halogen		

FIBER TYPE		SUFFIX	
CB3510/25	OM1	-I/O	Tight Buffer Indoor/Outdoor
EB3010/25	OM3	-C4	Special Jacket Color
FB3010/F5	OM4	-C5	Special Jacket Color over Armor
XB3010/X5	OM4+	-L1	Special Print
WB3010/W5	OM5		
AB0707	OS2 (TB)		

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**TECHNICAL SPECIFICATIONS**

Fiber Count	Part Numbers	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
1	ICR001-I/O(BLA)	0.114	2.9	5	7	1.7	4.3	1.1	2.9	100	445	30	133
2	ICR002-I/O(BLA)	0.187	4.75	12	17	2.8	7.1	1.9	4.8	100	445	30	133
4	ICR004-I/O(BLA)	0.187	4.75	12	18	2.8	7.1	1.9	4.8	100	445	30	133

Note: The Fiber Data table on page 2 lists the options: OM1, OM3, OM4, OM4+, OM5, OS2.

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