

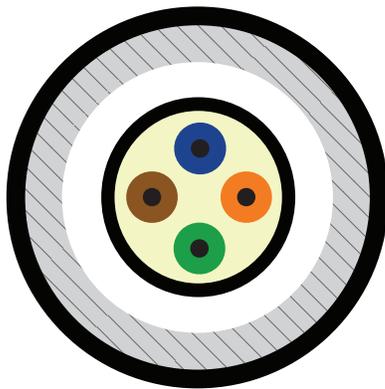
## PRODUCT SPECIFICATIONS

### BERK-TEK™ I/O Plenum Interconnect with ARMOR-TEK (ICPK-I/O)

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### APPLICATION

BERK-TEK Plenum Rated Indoor/Outdoor Interconnect cables are designed specifically for LAN/WAN campus and building backbone cabling infrastructure. ARMOR-TEK Interlocking Armor is wound around the cable core. Suitable for indoor/outdoor installations, below the frost line. The design incorporates tight buffered optical fibers within a dry water blocked core cable. Interlock armor and an outer jacket are added over the 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.



For fiber counts from 2-4

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

### FEATURES & BENEFITS

- Flexible 900 µm tight buffered construction
- High tensile strength cost-saving design, easy to install and terminate
- Single-mode, multimode, and hybrid designs available
- OFCP Rated
- 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
- Each cable utilizes our dry water blocking technology in the core cable
- Cable design can accommodate from 2-4 tight buffered (900 µm) fibers

### DESIGN CONSIDERATIONS

- Water-blocked cables feature fungus resistant jacketing, and are sunlight resistant per UL 444 clause 7.22
- Suitable for use in conduit, below the frost line
- Loose Tube cables are recommended if interbuilding 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

### STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/TIA-568.3-D; NFPA 130; 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

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CHARACTERISTICS	
<b>Construction</b>	
Type of cable	Tight Buffered (TB)
Jacket material	Plenum
Armor type	Aluminum interlock
<b>Usage Characteristics</b>	
Temperature (Storage):	-40 °C to +85 °C (-40 °F to +185 °F)
Temperature (Installation):	0 °C to +70 °C (+32 °F to +158 °F)
Temperature (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

TECHNICAL DATA - PHYSICAL													
Fibers	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
2	ICPK002-I/O(BLA)	0.495	12.6	77	115	7.4	18.9	5.0	12.6	100	445	30	133
4	ICPK004-I/O(BLA)	0.495	12.6	79	117	7.4	18.9	5.0	12.6	100	445	30	133

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)			
<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
OM3	EB3010/25	EB	50 µm	850/1300	2.8/0.8	2000	1000	300	100	70
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100
OM4+	XB3010/X5	XB	50 µm	850/1300	2.8/0.8	4900	1210	600	300	150
<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
<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

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**FIBER OPTIC CABLE PART NUMBERING PLATFORM**

Sample Part Number: **IC PK 002 EB3010/25 -I/O**

**CABLE PREFIX**

CABLE FAMILY		CABLE OPTIONS		FIBER COUNT	
IC	Interconnect	PK	Plenum Armor-Tek	002	Strand 2-4

**FIBER SUFFIX**

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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For further support information, visit [Leviton.com/ns/support](http://Leviton.com/ns/support)

**USA**  
 Network Solutions Headquarters  
 +1 (800) 722.2082  
[infoUSA@leviton.com](mailto:infoUSA@leviton.com)  
 BERK-TEK™ Cable  
 +1 (800) 237 5835 | [infoUSA@leviton.com](mailto:infoUSA@leviton.com)

**Asia Pacific**  
 +852 3620 2602  
[infoAPAC@leviton.com](mailto:infoAPAC@leviton.com)

**Canada**  
 +1 (800) 461 2002  
[infoCanada@leviton.com](mailto:infoCanada@leviton.com)

**Europe**  
 +44 (0) 1592 772124  
[infoEurope@leviton.com](mailto:infoEurope@leviton.com)

**Latin America**  
 MX: +52 (55) 2128 6286  
 LATAM: +52 (55) 2333 5963  
[infoLATAM@leviton.com](mailto:infoLATAM@leviton.com)

**Middle East & Africa**  
 +971 (4) 247 9800  
[infoMEA@leviton.com](mailto:infoMEA@leviton.com)

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