

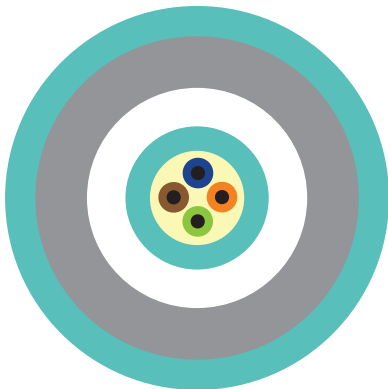
PRODUCT SPECIFICATIONS

Indoor Plenum Interconnect Cable with ARMOR-TEK™ (ICPK)

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APPLICATION

Leviton plenum-rated Indoor Interconnect Cables are designed specifically for patch cables and installation along plenum and in riser horizontal structured cabling applications. ARMOR-TEK Interlocking Armor is wound around the cable core with a plenum-rated sheath extruded around the interlocking armor.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

FEATURES & BENEFITS

- Incorporates 2 or 4 tight buffered (900 µm) optical fibers within the core cable
- Interlock armor and an outer jacket are added over the cable core
- High-tensile strength cost-saving design, easy to install and terminate
- Single-mode, multimode, and hybrid designs available
- Also available in a riser-rated low-smoke zero halogen design
- No Buffer Tube Fanout Kits are required
- Direct termination is enabled
- OFCP-rated
- Eliminates the need for conduit or plenum innerduct
- Significant cost savings in both materials and labor
- Accommodates last minute relocations or pathway changes
- Provides a higher concentration of cables in an area than conduit
- Armor provides crush protection and protection from rodent attacks
- Black jacketed and core waterblocked cables with 2 or 4 fibers are available upon request for indoor/outdoor installations
- Indoor/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; 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
- NFPA 130
- RoHS complaint

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TECHNICAL SPECIFICATIONS	
Construction	
Type of cable	Tight Buffer (TB)
Jacket material	Plenum
Armor type	Aluminum Interlock
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):	-20 °C to +75 °C (-4 °F to +167 °F)

TECHNICAL SPECIFICATIONS - PHYSICAL													
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
2	ICPK002	0.495	12.6	77	115	7.4	18.9	5.0	12.6	100	445	30	133
4	ICPK004	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)				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												
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												
OS2	AB0707	AB	SMF	1310/1550	0.5/0.5	N/A	≥5000	≥10000	≥10000	≥10000	Yellow	

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FIBER OPTIC CABLE PART NUMBERING PLATFORM

Sample Part Number: [PD](#) [PK 012](#) [EB3010/25](#) [-I/O-C4C5](#)

Cable Prefix						Fiber Suffix			
Cable Family		Cable Options		Fiber Count		Fiber Type		Suffix	
PD	Premises Distribution	P	Plenum	001	Strand 1-24	CB3510/25	OM1	-I/O	Tight Buffer Indoor/Outdoor
LT	Dry Loose Tube (Adventum)	R	Riser	8Bxxx	Subunit design: xxx = strand count ≥ 8 fiber (8B008 to max strand count)	EB3010/25	OM3	-HE	Harsh Environment
HD	Heavy Duty (breakout)	PK	Plenum Armor-Tek			FB3010/F5	OM4	-C4	Special Jacket Color
IC	Interconnect	RK	Riser Armor-Tek			XB3010/X5	OM4+	-C5	Special Jacket Color over Armor
MC	Mini-Connect	RZ	Riser Zero Halogen	12Bxxx	Subunit Design: xxx = strand count 1 - 12 Fiber (001 to 012) 18 - 24 fiber (018 to 024 OR 12B018 to 12B024) > 24 fibers (12B036 to max strand count)	WB3010/W5	OM5	-D2	Special Subunit Diameter
DA	Data Center	A	Corrugated Steel Armor			AB0707	OS2 (TB)	-D4	Special Outer Diameter
MD	Micro Data Center	AD	Corrugated Steel Armor (stranded)			AB0403	OS2 (LT)	-L1	Special Print
RD	Ribbon Cable	D	Dielectric			AB0302	OS2 (LTD, LTAD)		
OP	Outside Plant	DD	Dielectric (>12 strands)						

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

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