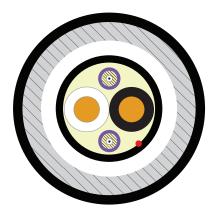**Berk-Tek**®
a **LEVITON** company

Indoor/Outdoor Plenum CL3P with ARMOR-TEK™ (HDPCK)

APPLICATION

Leviton's Composite Copper/Fiber cables incorporate high bandwidth optical fibers with insulated copper conductors. ARMOR-TEK™ Interlocking Armor is wrapped around the CL3P-OF cable core. A wide variety of design options are available including up to four 12 AWG solid conductors, and up to 2 tight buffered fibers. These cables are listed as CL3P-OF/PLTC-OF. A key application of these cables is to extend the distance that powered devices can be installed from the power source in Power over Ethernet (PoE) installations using Leviton's OneReach™ PoE Extender System. Proper conductor size selection can increase this distance from 328 feet to several thousand feet. The powered device could be an IP camera, a wireless access point, or other building automation device located in an area where an electrical outlet is not readily available.

BENEFITS

- Enables PoE equipment to be located more than 100 meters from the switch when used with Leviton's OneReach™ system
- Cost savings versus installation of a new electrical outlet
- CL3P-OF/PLTC-OF allows cable to be installed in communication pathways
- Ease of installation, accomodating last minute relocations or pathway changes
- Broad design selection allows for mix and match of copper and fiber components to specific networking applications
- Armor adds crush resistance and protection from rodent attacks
- Armor is a cost effective alternative to plenum innerduct
- Significant cost savings in both materials and labor—up to 25%

FEATURES

- Single-mode, multimode, and hybrid designs available
- CL3P-OF/PLTC-OF, wet and dry rated
- Aluminum interlock armored covered with a plenum rated jacket
- Tight buffered fibers (HDPCK, 1-2 fibers)
- Dry-waterblocked core cable for indoor/outdoor installations
- Preferred solution for Distributed Antenna Systems (DAS) connections
- Combining control and communication in industrial pathways

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/TIA-568-C.3; NFPA 262; NFPA 130; Telcordia GR-409; UL 13
- 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

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS

Indoor/Outdoor Plenum CL3P with ARMOR-TEK (HDPCK)

CHARACTERISTICS

Construction

Type of cable	Tight Buffer
Jacket material	Plenum

Usage Characteristics

Temperature (Operating):	-40 °C to +75 °C
Temperature (Installation):	-10 °C to +70 °C
Temperature (Storage):	-40 °C to +85 °C

CONDUCTOR COLOR SEQUENCE

1	Black
2	White
3	Blue
4	Yellow

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
2	HDPCK002-002X12AWG	0.670	17.0	192	286	10.1	25.5	6.7	17.0	150	668	45	200

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	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
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	Black
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	Black

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

Indoor/Outdoor Plenum CL3P with ARMOR-TEK (HDPCK)