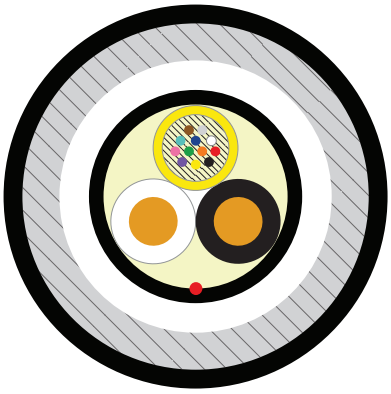
LEVITON
Network Solutions

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

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 12 loose tube fibers. These cables are listed as CL3P-OF/PLTC-OF. A key application of these cables is to extend the distance of standard category cables for powering network devices from power sources, for example Leviton's OneReach™ PoE Extender (Power over Ethernet). 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.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/NS/Warranty

FEATURES & BENEFITS

- Single-mode, multimode, and hybrid designs available
- CL3P-OF/PLTC-OF, wet and dry rated
- Aluminum interlock armored covered with a plenum rated jacket
- Fibers in a loose tube (ACPCK, 1-12 fibers)
- Dry-waterblocked core cable for indoor/outdoor installations
- Cable design accommodates from 2 to 4 conductors
- For use in Distributed Antenna Systems (DAS) connections
- CL3P-OF/PLTC-OF rating allows cable to be installed in control and communication industrial pathways
- Create a common pathway for fiber backbone and Class 3 power supply
- 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
- 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%

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/TIA-568-C.3; 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

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

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PRODUCT SPECIFICATIONS
Indoor/Outdoor Plenum CL3P with ARMOR-TEK™ (ACPCK)

LEVITON Network Solutions

CHARACTERISTICS

Construction	
Type of cable	Loose Tube
Jacket material	Plenum
Usage Characteristics	
Temp. (Storage):	-60 °C to +85 °C (-76 °F to +185 °F)
Temp. (Installation):	-30 °C to +60 °C (-22 °F to +140 °F)
Temp. (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

CONDUCTOR COLOR SEQUENCE

1	Black
2	White
3	Blue
4	Yellow

TECHNICAL DATA - PHYSICAL

Fiber Count	Part Numbers	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
12	ACPCK012-002x12AWG	0.670	17.0	192	286	10.1	25.5	6.7	17.0	150	668	45	200
12	ACPCK012-004x12AWG	0.720	18.3	282	420	10.8	27.4	7.2	18.3	300	1335	90	400

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	AB0403	AB	SMF	1310/1550	0.4/0.3	N/A	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Black

For further support information, visit Leviton.com/NS/Support

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NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.

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