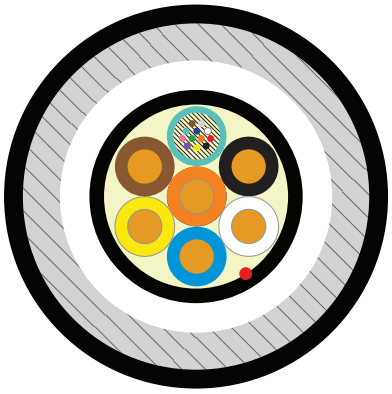
LEVITON
Network Solutions

Indoor/Outdoor Riser CL3R with ARMOR-TEK™ (ACRCK)

APPLICATION

Leviton's composite copper/fiber cables incorporate high bandwidth optical fibers with insulated solid copper TFFN or THWN conductors. ARMOR-TEK Interlocking Armor is wrapped around the CL3R-OF cable core. A wide variety of design options are available including up to eight 12 AWG conductors and up to twelve loose tube. These cables are listed as CMR and CL3R-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). This distance can range from 328 to several thousand feet, depending on the application and network environment. 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

- 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
- Broad design selection allows for mix and match of copper and fiber components to specific networking applications
- CMR and CL3R-OF/PLTC-OF ratings allow cable to be installed in communication pathways
- Eliminates the need for conduit and riser innerduct
- Ease of installation, accomodating last minute relocations or pathway changes
- Armor adds crush resistance and protection from rodent attacks
- Significant cost savings in both materials and labor—up to 25%
- Single-mode, multimode, and hybrid designs available
- CMR and CL3R-OF/PLTC-OF, wet and dry rated
- Aluminum interlock armored, with a riser rated outer jacket
- Each cable consists of multiple TFFN or THWN copper conductors and multiple fibers cabled together within an outer jacket
- Cable design accommodates from 2 to 8 conductors and up to 12 fibers

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/TIA-568.3-D; 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 Riser CL3R with ARMOR-TEK (ACRCK)

J23 SS4025-US ENv3
Revised October 2023

PRODUCT SPECIFICATIONS
Indoor/Outdoor Riser CL3R with ARMOR-TEK™ (ACRCK)

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CHARACTERISTICS

Construction	
Type of cable	Tight Buffer
Jacket material	Riser
Usage Characteristics	
Temp. (Storage):	-40 °C to +85 °C (-40 °F to +185 °F)
Temp. (Installation):	-20 °C to +60 °C (-4 °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
5	Brown
6	Orange
7	Purple
8	Pink

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	ACRCK012-002x12AWG	0.780	19.8	208	310	11.7	29.7	7.8	19.8	150	668	45	200
12	ACRCK012-004x12AWG	0.901	22.9	307	458	13.5	34.3	9.0	22.9	300	1335	90	400
12	ACRCK012-008x12AWG	1.001	25.4	469	699	15.0	38.1	10.0	25.4	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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