

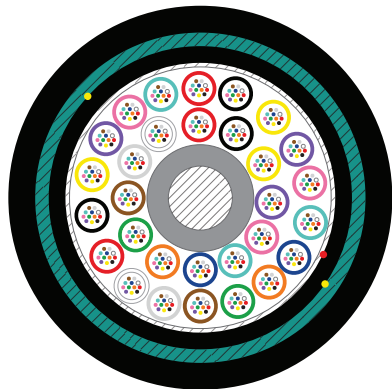
PRODUCT SPECIFICATIONS

Indoor/Outdoor Riser ADVENTUM Single Armor Double Jacket (LTRA)

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APPLICATION

Leviton's revolutionary Indoor/Outdoor ADVENTUM cables are designed to be used in riser rated environments. This cable design utilizes Leviton's unique DryGel waterblocking system to replace the messy gel filler inside the fiber tubes, and incorporates a corrugated steel armor tape between two jackets surrounding the core. ADVENTUM Single Armor Double Jacket riser rated cables have no gel filler. Leviton's loose tube cable design can be used in all typical campus and outdoor/indoor installations, and is available with multimode and single-mode fibers. This design affords the installer the ability to place cable anywhere in a network, bypassing the traditional transition points required in most installations. ADVENTUM Riser cable is available in 6- to 288-count fiber constructions. These cables are suitable for tray installations in industrial environments, and have been thoroughly tested in accordance with Telcordia GR409 Issue 2, ICEA-596-2016 Edition 3, and ICEA-696-2019 Edition 2 standards where applicable.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

FEATURES & BENEFITS

- High tensile strength, crush resistant and small diameter design
- Riser rating enables installation to go directly from outside plant to riser shaft
- Cable Core and Buffer Tubes use DryGel water blocking system
- UV resistant outer jacket protects the cable in outside plant installations
- Corrugated steel armor provides crush and rodent resistance
- Compact, water blocked, riser rated, flexible loose tube design allows for installation in any outside plant or interior space
- Designed for direct burial installations
- No cleaning of gels required for installation, greatly reducing installation time and cost
- Transition points in network are not needed
- Designed to support Gigabit Ethernet, Gigabit ATM, Fibre Channel and other highspeed applications

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-104-696; ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; Telcordia GR-409; UL 1651; OFCR
- ETHERNET: 10BASE – 400GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fibre Channel: 1GFC – 128GFC (1, 2, 4, 8, 16, 32, 128 GFC)
- SONET: OC1 – OC768 (OC 1, 3, 12, 24, 48, 192, 768)
- SDH: STM0 – STM256 (STM0, 1, 4, 16, 64, 256)
- OTN: OTU1 – OTU4 (OTU1, 2, 2e, 2f, 3, 3e2, 4)
- CPRI: CPRI1 – CPRI9 (CPRI1, 2, 3, 4, 5, 6, 7, 7a, 8, 9)
- PON (SMF; I/O ONLY): RFoG, APON, BPON, EPON, GPON, WDM PON, NGPON

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MECHANICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
Jacket material	Riser

Usage Characteristics

Temp. (Storage):	-60 °C to +85 °C (-76 °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)

TECHNICAL DATA - 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
6	LTRA12B006	0.575	14.6	145	217	11.5	29.2	8.6	21.9	300	1335	90	400
12	LTRA12B012	0.575	14.6	145	217	11.5	29.2	8.6	21.9	300	1335	90	400
24	LTRA12B024	0.575	14.6	146	217	11.5	29.2	8.6	21.9	300	1335	90	400
48	LTRA12B048	0.575	14.6	147	219	11.5	29.2	8.6	21.9	300	1335	90	400
72	LTRA12B072	0.646	16.4	187	279	12.9	32.8	9.7	24.6	600	2670	200	890
96	LTRA12B096	0.714	18.1	226	336	14.3	36.3	10.7	27.2	600	2670	200	890
144	LTRA12B144	0.869	22.1	323	481	17.4	44.1	13.0	33.1	1000	4448	300	1335
288	LTRA12B288	1.005	25.5	403	600	20.1	51.1	15.1	38.3	1000	4448	300	1335

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