

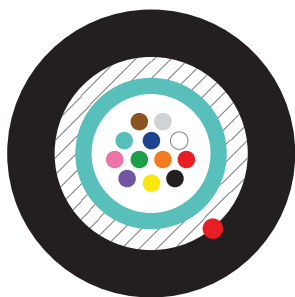
## Indoor/Outdoor Riser ADVENTUM™ (LTR)

### APPLICATION

ADVENTUM riser 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. These cables are suitable for tray installations industrial environments, and have been thoroughly tested in accordance with Telcordia GR-409 Issue 2, ICEA-596-2016, and ICEA-696-2019 standards where applicable. ADVENTUM loose tube, riser rated fiber optic cable is intended for all high-speed data applications.



For fiber counts from 24-432



For 6 and 12 fiber cables

### BENEFITS

- Eliminates the need for conduit or riser innerduct
- Significant cost savings in both materials and labor —up to 25%
- No cleaning of gels required for installation, greatly reducing installation time and cost
- System grounding requirements are eliminated
- Installation time can be reduced by as much as 60% versus installing conduit or innerduct
- Can be installed in campus environments
- Transition points in network are not needed

### FEATURES

- Color-coded loose tubes containing up to 12, 250  $\mu\text{m}$ , individually colored fibers
- Available in 6- to 432-count fiber constructions
- Designed to support Gigabit Ethernet, Gigabit ATM, Fibre Channel, and other highspeed applications
- Riser rating enables installation to go directly from outside plant to riser shaft
- Cable core and buffer tubes use DryGel water blocking system
- Sunlight resistant outer jacket per UL 444 clause 7.22 protects the cable in outside plant installations
- Aluminum interlocking armor is available

### 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
- 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

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

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

**PRODUCT SPECIFICATIONS**  
**Indoor/Outdoor Riser ADVENTUM™ (LTR)**

Indoor/Outdoor Riser ADVENTUM (LTR)

**CHARACTERISTICS**

**Construction**

Type of cable	Loose Tube
Jacket material	Riser

**Usage Characteristics**

Temperature (Operating):	-40 °C to +75 °C
Temperature (Installation):	-20 °C to +60 °C
Temperature (Storage):	-60 °C to +85 °C

**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
6	LTR006	0.255	6.5	29	44	3.8	9.7	2.6	6.5	150	667	45	200
12	LTR012	0.255	6.5	30	44	3.8	9.7	2.6	6.5	300	1335	90	400
24	LTR12B024	0.396	10.1	59	88	5.9	15.1	4.0	10.1	300	1335	90	400
48	LTR12B048	0.396	10.1	60	90	5.9	15.1	4.0	10.1	300	1335	90	400
72	LTR12B072	0.467	11.9	81	121	7.0	17.8	4.7	11.9	600	2670	200	890
96	LTR12B096	0.541	13.7	106	157	8.1	20.6	5.4	13.7	600	2670	200	890
144	LTR12B144	0.696	17.7	178	265	10.4	26.5	7.0	17.7	1000	4448	300	1335
288	LTR12B288	0.826	21.0	240	357	12.4	31.5	8.3	21.0	1000	4448	300	1335
432	LTR12B432	0.953	24.2	301	447	14.3	36.3	9.5	24.2	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	
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100	
OM4+	XB3010/X5	XB	50 µm	850/1300	2.8/0.8	4900	1210	600	300	150	
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](http://leviton.com/ns/support)