

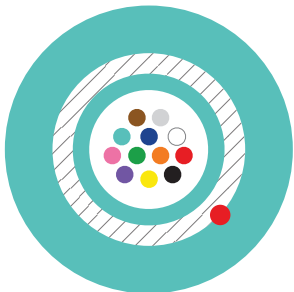
Indoor/Outdoor Plenum ADVENTUM™ (LTP)

APPLICATION

ADVENTUM cables are designed to be used in plenum rated environments. ADVENTUM supports the latest Gigabit Communications Protocols, including Gigabit Ethernet and ATM. This cable design employs dry waterblocking technology that utilizes super absorbent polymers to replace the messy gel filler inside the fiber tubes. Recommended installation procedures per ANSI/TIA-758, customer-owned outside plant telecommunications infrastructure standard. They are suitable for railway and mass transit infrastructure in tunnels, as well as for tray installations in industrial environments.



For fiber counts from 24-432



For fiber counts up to 12

BENEFITS

- Compact, water blocked, plenum rated, flexible loose tube design of all dielectric construction allows for installation in any outside plant or interior space
- No cleaning of gels required for installation, greatly reducing installation time and cost
- Transition points in network are not needed
- System grounding requirements are eliminated

FEATURES

- ADVENTUM cable is rated for plenum installations and has no gel filler
- Dry, waterblocked, color coded loose tubes containing up to 12, 250 µm, individually colored fibers
- Plenum rating enables installation to go directly from outside plant to riser shaft or through plenum spaces
- Cable core and buffer tubes use dry waterblocking technology
- All dielectric design
- Sunlight resistant outer jacket per UL 444 clause 7.22 protects the cable in outside plant installations
- Available with Aluminum Interlock Armor
- Cable can be used in all typical campus and outdoor/indoor installations, and is available with multimode and single-mode fibers
- Cable is available in 6 to 432 fiber constructions

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596-2016, ANSI/ICEA S-104-696-2019
- ANSI/TIA-568.3-D; NFPA 130; NFPA 262; 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

PRODUCT SPECIFICATIONS
Indoor/Outdoor Plenum ADVENTUM™ (LTP)

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CHARACTERISTICS

Construction

Type of cable	Loose Tube
Jacket material	Plenum

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			
		in.	mm	lb./kft	kg/km	Install		Long Term		Install		Long Term	
						in.	cm	in.	cm	lbf.	N	lbf.	N
6	LTP006	0.260	6.6	30	45	3.9	9.9	2.6	6.6	150	667	45	200
12	LTP012	0.260	6.6	33	49	3.9	9.9	2.6	6.6	300	1335	90	400
24	LTP12B024	0.390	9.9	54	80	5.9	14.9	3.9	9.9	300	1335	90	400
48	LTP12B048	0.390	9.9	54	81	5.9	14.9	3.9	9.9	300	1335	90	400
72	LTP12B072	0.460	11.7	80	119	6.9	17.5	4.6	11.7	600	2670	200	890
96	LTP12B096	0.532	13.5	126	187	8.0	20.3	5.3	13.5	600	2670	200	890
144	LTP12B144	0.670	17.0	209	311	10.1	25.5	6.7	17.0	1000	4448	300	1335
288	LTP12B288	0.825	21.0	292	434	12.4	31.4	8.3	21.0	1000	4448	300	1335
432	LTP12B432	0.940	23.9	362	539	14.1	35.8	9.4	23.9	1000	4448	300	1335

FIBER DATA AND SHEATH COLORS

Fiber Type	Part Number Suffix	Leviton Fiber	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	850/1300	3.5/1.0	200	300	33	N/A	N/A	Orange
OM3	EB3010/25	EB	850/1300	2.8/0.8	2000	1000	300	100	70	Aqua
OM4	FB3010/F5	FB	850/1300	2.8/0.8	4700	1040	550	150	100	Aqua
OM4+	XB3010/X5	XB	850/1300	2.8/0.8	4900	1210	600	300	150	Violet
WideBand Multimode - Bend Insensitive						1 GbE	10 GbE	40 GbE	100 GbE	
OM5	WB3010/W5	WB	850-953/1300	2.8/0.8	4700	1040	550	190	100	Lime Green
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	0.4/0.3	N/A	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Yellow

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