

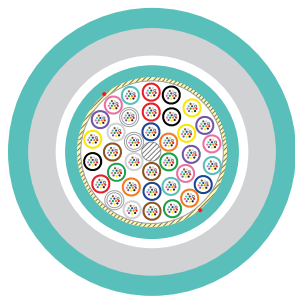
PRODUCT SPECIFICATIONS

Indoor/Outdoor Plenum ADVENTUM with ARMOR-TEK (LTPK)

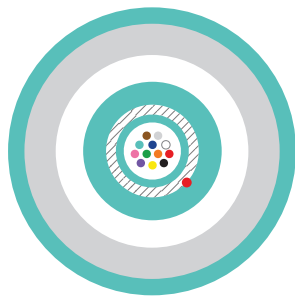
Indoor/Outdoor Plenum ADVENTUM™ with ARMOR-TEK™ (LTPK)

APPLICATION

ADVENTUM ARMOR-TEK products consist of indoor/outdoor rated fiber optic loose tube cables encased in an aluminum, spirally wrapped armor in an interlocking configuration. The armored cable is then covered with a plenum rated jacket to prevent snags during installation. ARMOR-TEK fiber cables can be used in any of the following installation environments: indoor/outdoor, in backbones, between closets and in fiber to the desk. ARMOR-TEK is a viable and cost effective solution for applications where a pathway is beyond its full ratio, for areas where extra physical security is a concern, in fast track installations, between buildings, and in trays. Leviton recommends installation procedures per ANSI/TIA-758, customer-owned outside plant telecommunications infrastructure standard.



For fiber counts from 24-432



For up to 12 fiber cables

BENEFITS

- Eliminates the need for conduit or plenum innerduct
- Significant cost savings in both materials and labor —up to 25%
- Accommodates last minute relocations or pathway changes
- Provides a higher concentration of cables in an area than conduit
- Can be installed in campus environments due to the durability and indoor/outdoor rating of the cable

FEATURES

- Loose tube cable constructions (up to 432 optical fibers) with aluminum interlock armor and an overall plenum flame rated jacket
- Water-blocked cable core
- Multimode, single-mode, and hybrid designs available
- Available with bend-optimized single-mode fibers
- Jacketed armor remains flexible due to the spiral wrap armoring process
- Easy one-pull installation into any enterprise environment
- Compact outside diameters when compared to plenum innerduct or conduit
- High tensile strength, crush resistant
- UV resistant outer jacket protects the cable in outside plant environments
- Available Harsh Environment (HE) cables offer superior resistance to chemicals and fuels for petro-chemical, industrial, and airport installations
- Armor provides protection from crush and rodent attacks

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; UL1651; 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

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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			
						Install		Long Term		Install		Long Term	
		in.	mm	lb./kft	kg/km	in.	cm	in.	cm	lbf.	N	lbf.	N
6	LTPK006	0.620	15.7	136	202	9.3	23.6	6.2	15.7	150	667	45	200
12	LTPK012	0.620	15.7	136	202	9.3	23.6	6.2	15.7	300	1335	90	400
12	LTPK12B012	0.730	18.5	184	274	11.0	27.8	7.3	18.5	300	1335	90	400
24	LTPK12B024	0.730	18.5	184	274	11.0	27.8	7.3	18.5	300	1335	90	400
48	LTPK12B048	0.730	18.5	185	275	11.0	27.8	7.3	18.5	300	1335	90	400
72	LTPK12B072	0.774	19.7	220	327	11.6	29.5	7.7	19.7	600	2670	200	890
96	LTPK12B096	0.851	21.6	247	368	12.8	32.4	8.5	21.6	600	2670	200	890
144	LTPK12B144	1.004	25.5	359	535	15.1	38.3	10.0	25.5	1000	4448	300	1335
288	LTPK12B288	1.148	29.2	538	801	17.2	43.7	11.5	29.2	1000	4448	300	1335
432	LTPK12B432	1.295	32.9	644	958	19.4	49.3	13.0	32.9	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	Orange
OM3	EB3010/25	EB	50 µm	850/1300	2.8/0.8	2000	1000	300	100	70	Aqua
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100	Aqua
OM4+	XB3010/X5	XB	50 µm	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	50 µm	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	1310/1550	0.4/0.3	N/A	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Yellow

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