

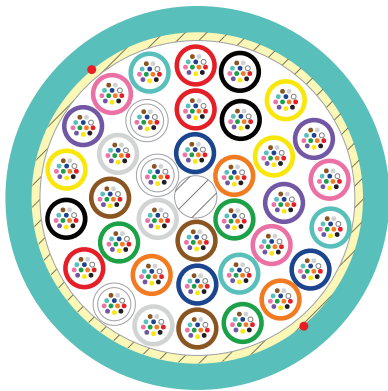
PRODUCT SPECIFICATIONS

Indoor/Outdoor Plenum ADVENTUM Harsh Environment (LTP-HE)

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APPLICATION

Designed and listed with a plenum rating, Leviton's revolutionary Harsh Environment Indoor/Outdoor ADVENTUM cables can be utilized inside and between buildings, and in industrial environments where corrosive chemicals, fuels, or vapors may be present. ADVENTUM supports the latest communications protocols. Available fibers include OM1, OM3, OM4, Leviton's exclusive OM4+, OM5, and OS2 single-mode. This cable design utilizes Leviton's unique DryGel waterblocking system to replace the messy gel filler inside the fiber tubes. ADVENTUM is rated for plenum installations and has no gel filler.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, visit [Leviton.com/NS/Warranty](https://www.leviton.com/NS/Warranty)

FEATURES & BENEFITS

- Harsh Environment (HE), chemical resistant jacket
- UV resistant outer jacket protects the cable in outside plant installations
- Plenum I/O rating enables installation to go directly from outside plant to riser shaft or through plenum spaces
- Cable core and buffer tubes use DryGel water blocking system
- All dielectric OFNP design
- Compact, water blocked, plenum rated, flexible loose tube design 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

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801, UL 1651, NFPA 130
- ETHERNET: 10BASE – 40GBASE (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 only): RFoG, APON, BPON, EPON, GPON, WDM PON, NGPON

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CHARACTERISTICS

Construction

Type of cable	Loose Tube
Jacket material	Plenum

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	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	LTP12B006-HE-D4	0.460	11.7	87	129	6.9	17.5	4.6	11.7	600	2670	200	890
12	LTP12B012-HE-D4	0.460	11.7	87	129	6.9	17.5	4.6	11.7	600	2670	200	890
24	LTP12B024-HE-D4	0.460	11.7	87	130	6.9	17.5	4.6	11.7	600	2670	200	890
48	LTP12B048-HE-D4	0.460	11.7	88	131	6.9	17.5	4.6	11.7	600	2670	200	890
72	LTP12B072-HE	0.460	11.7	89	132	6.9	17.5	4.6	11.7	600	2670	200	890
96	LTP12B096-HE	0.532	13.5	126	187	8.0	20.3	5.3	13.5	600	2670	200	890
144	LTP12B144-HE	0.670	17.0	212	315	10.1	25.5	6.7	17.0	1000	4448	300	1335
288	LTP12B288-HE	0.825	21.0	292	434	12.4	31.4	8.3	21.0	1000	4448	300	1335
432	LTP12B432-HE	0.940	23.9	362	539	14.1	35.9	9.4	23.9	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
							1 GbE	10 GbE	40 GbE	100 GbE	
Multimode - 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.657.A1							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