Berk-Tek®
a **LEVITON** company

Indoor/Outdoor Riser ADVENTUM™ with ARMOR-TEK™ (LTRK)

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 riser rated jacket to prevent snags during installation. ARMOR-TEK fiber cables can be used in any of the following installation enviroments: 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. Berk-Tek recommends installation procedures per ANSI/TIA-758, customer-owned outside plant telecommunications infrastructure standard.
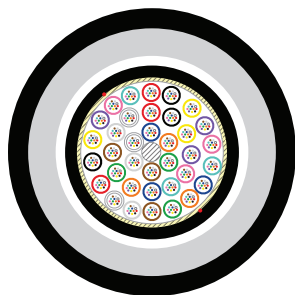
For fiber counts from 24-432
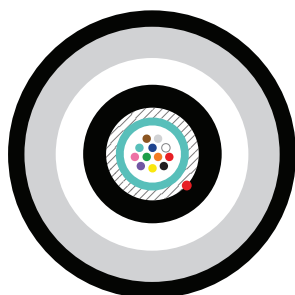
For 6 and 12 fiber cables

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

FEATURES

- Aluminum interlock armor, covered with a riser rated jacket
- Jacketed armor that remains flexible due to the spiral wrap armoring process
- The armored design allows for an easy one-pull installation into any environment
- Sunlight resistant outer jacket per UL 444 clause 7.22 protects the cable in outside plant installations
- Aluminum interlock offers 10 to 13 times the impact resistance over all-dielectric optical cable
- Compact outside diameters when compared to riser innerduct or conduit

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 – 400GBASE (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

BENEFITS

- Eliminates the need for conduit or riser innerduct
- Significant cost savings in both materials and labor —up to 25%
- Extremely durable cables for hazardous environments or difficult cable installations
- Installation time can be reduced by as much as 60% versus installing conduit or innerduct
- ARMOR-TEK optical fiber cables accommodate last minute relocations and pathway changes whereas innerduct or conduit is not a flexible alternative
- ARMOR-TEK cables are not governed by fill ratios because they are ETL listed as cable assemblies, allowing higher concentrations of cables in an area than allowed with conduit
- Can be installed in campus environments
- Provides additional protection and security for your fiber backbone due to the ruggedness of the armoring materials

Indoor/Outdoor Riser ADVENTUM with ARMOR-TEK (LTRK)

B23 SS4021 ENv3
Revised February 2023

PRODUCT SPECIFICATIONS
Indoor/Outdoor Riser ADVENTUM™ with ARMOR-TEK™ (LTRK)

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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	LTRK006	0.636	16.2	138	205	9.5	24.2	6.4	16.2	150	667	45	200
12	LTRK012	0.636	16.2	138	205	9.5	24.2	6.4	16.2	300	1335	90	400
12	LTRK12B012	0.744	18.9	185	276	11.2	28.3	7.4	18.9	300	1335	90	400
24	LTRK12B024	0.744	18.9	186	277	11.2	28.3	7.4	18.9	300	1335	90	400
48	LTRK12B048	0.744	18.9	187	279	11.2	28.3	7.4	18.9	300	1335	90	400
72	LTRK12B072	0.865	22.0	232	345	13.0	33.0	8.7	22.0	600	2670	200	890
96	LTRK12B096	0.965	24.5	276	411	14.5	36.8	9.7	24.5	600	2670	200	890
144	LTRK12B144	1.018	25.9	360	536	15.3	38.8	10.2	25.9	1000	4448	300	1335
288	LTRK12B288	1.134	28.8	450	670	17.0	43.2	11.3	28.8	1000	4448	300	1335
432	LTRK12B432	1.269	32.2	533	793	19.0	48.3	12.7	32.2	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

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