

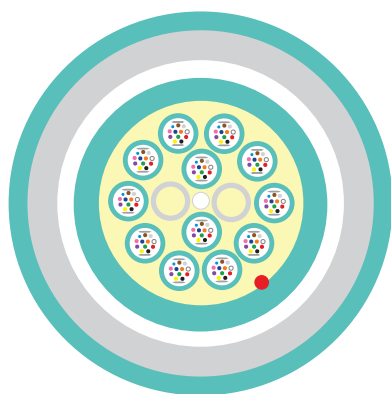
PRODUCT SPECIFICATIONS

Data Center Plenum with ARMOR-TEK (DAPK12B)

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APPLICATION

Leviton's revolutionary Data Center Plenum cables with ARMOR-TEK are designed to be used in high-density plenum rated environments. DAPK is rated for plenum installations and has no gel filler. The loose tube cable design can be used in all typical campus indoor installations, and is available with multimode and single-mode fibers. Data Center Plenum ARMOR-TEK cable is available in 24- to 144-count fiber constructions. These cables are compliant with the Wire and Cable Requirements of NFPA 130 (2017), section 12.2 Flame Spread and Smoke Release.



For fiber counts from 24-144

BENEFITS

- Eliminate the need for conduit or plenum innerduct by installing interlock armor cable, providing a significant cost savings in both materials and labor
- Installation time can be reduced by as much as 60% versus installing conduit or innerduct
- ARMOR-TEK cables are not governed by fill ratios because they are classified as cable assemblies, allowing higher concentrations of cables in an area than allowed with conduit
- Plenum rated, flexible loose tube design with interlock armor construction allows for installation in any interior space
- No cleaning of gels required for installation

FEATURES

- 1.9-millimeter, space-saving buffer tubes house fibers and aramid strength yarns
- Designed to support Gigabit Ethernet, Gigabit ATM, Fibre Channel and other high-speed applications
- Plenum OFCP rating enables installation to go directly through plenum spaces
- The armored design allows for an easy one-pull installation into any environment
- Dry color-coded loose tubes containing 12, 250 µm individually colored fibers
- DAPK is protected by an aluminum spirally wrapped armor in an interlocking configuration, and is covered by an outer jacket
- RoHS compliant

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; UL 1651; NFPA 130; 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 Rated

Usage Characteristics

Temperature (Storage):	-40 °C to +75 °C
Temperature (Installation):	0 °C to +60 °C
Temperature (Operating):	0 °C to +75 °C

TECHNICAL DATA - PHYSICAL

Fiber	Part Number	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
24	DAPK12B024	0.553	14.0	105	157	8.3	21.1	5.5	14.0	150	667	45	200
48	DAPK12B048	0.553	14.0	106	157	8.3	21.1	5.5	14.0	150	667	45	200
72	DAPK12B072	0.614	15.6	131	194	9.2	23.4	6.1	15.6	315	1401	95	423
96	DAPK12B096	0.680	17.3	159	236	10.2	25.9	6.8	17.3	315	1401	95	423
144	DAPK12B144	0.730	18.5	180	268	11.0	27.8	7.3	18.5	630	2802	190	845

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