

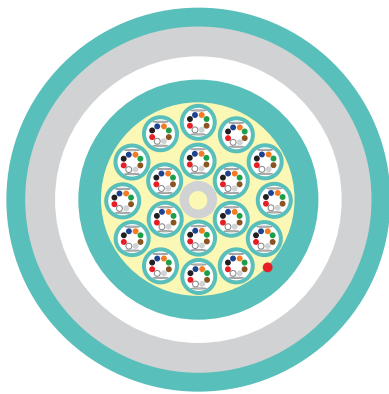
## PRODUCT SPECIFICATIONS

### Data Center Plenum with ARMOR-TEK (DAPK8B)

## Data Center Plenum with ARMOR-TEK™ (DAPK8B)

### 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 16- 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 16-144

### 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 UL listed as cable assemblies, allowing higher concentrations of cables in an area than allowed with conduit cables
- 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 housing fibers and aramid strength yarns
- Designed to support Gigabit Ethernet, Gigabit ATM, Fibre Channel and other high-speed applications
- Plenum rating enables installation to go directly through plenum spaces
- DAPK cable is protected by an aluminum spirally wrapped armor in an interlocking configuration, and is covered by an outer jacket
- The armored design allows for an easy, one-pull installation into any environment
- Dry color-coded loose tubes containing 8, 250 µm individually colored fibers
- RoHS compliant

### STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; NFPA 130; Telcordia GR-409; UL 1651
- 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](http://leviton.com/ns/warranty)

# PRODUCT SPECIFICATIONS

## Data Center Plenum with ARMOR-TEK™ (DAPK8B)

### 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
16	DAPK8B016	0.553	14.0	108	161	8.3	21.1	5.5	14.0	266	1183	80	356
24	DAPK8B024	0.553	14.0	108	161	8.3	21.1	5.5	14.0	266	1183	80	356
32	DAPK8B032	0.553	14.0	108	161	8.3	21.1	5.5	14.0	266	1183	80	356
48	DAPK8B048	0.614	15.6	195	290	9.2	23.4	6.1	15.6	266	1183	80	356
72	DAPK8B072	0.680	17.3	221	329	10.2	25.9	6.8	17.3	266	1183	80	356
96	DAPK8B096	0.730	18.5	252	375	11.0	27.8	7.3	18.5	300	1335	90	400
144	DAPK8B144	0.774	19.7	292	435	11.6	29.5	7.7	19.7	550	2447	165	734

### 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
<b>Multimode - 62.5 µm Standard, and 50 µm Bend Insensitive</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
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
<b>WideBand Multimode - Bend Insensitive</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
OM5	WB3010/W5	WB	50 µm	850-953/1300	2.8/0.8	4700	1040	550	190	100	Lime Green
<b>Single-mode Bend Insensitive - ITU-T G.652.D and G.657.A1 Compliant</b>							<b>1 GbE</b>	<b>10 GbE</b>	<b>40 GbE</b>	<b>100 GbE</b>	
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](http://leviton.com/ns/support)