

Berk-Tek's **PREMISES DISTRIBUTION INDOOR/OUTDOOR TIGHT BUFFER FIBER OPTIC CABLE** is designed for LAN/WAN campus and building backbone infrastructure. Excellent multipurpose cable that is designed for a variety of applications.

## FEATURES

- Plenum rating enables installations to go directly from outside plant into building with no transition point required
- High tensile strength, crush resistant and small-diameter design
- Ready for direct termination, no fan-out kits are needed
- Non-armored design is all dielectric
- Available with Armor-Tek™ Interlocking Armor
- Water-blocked core cable using Dry-Gel system
- Bend-insensitive single-mode and multimode fibers
- Black jacket standard; other jacket colors available

## BENEFITS

- Low cable plant maintenance and ease of installation
- Flexible, reduced cable diameter with easy access to tight buffer fibers
- Elimination of transition points

## CONSTRUCTION

900 µm tight-buffer fibers surrounded by aramid yarns.

## OUTDOOR CONSIDERATIONS

Tight buffer fiber cables are not suitable for aerial-lashed installations

## FLAME RATING

OFNP/FT-6  
OFCP/FT-6

## STANDARDS

International ISO/IEC 11801  
European EN 50173  
North American Telcordia GR-409  
ICEA S-83-596  
ANSI/ICEA S-104-696

## APPLICATIONS

IEEE 802.3 100GBASE-SR 100 Gb/s  
IEEE 802.3 40GBASE-SR 40 Gb/s  
10GBASE-SR/SW 10 Gb/s  
10GBASE-LX4 10 Gb/s  
IEEE 802.3 100BASE-SX/FX 1 Gb/s  
IEEE 802.3 1000BASE-SX/LX 1 Gb/s  
IEEE 802.3 10BASE-F 10 Mb/s  
ATM 155 Mb/s  
622 Mb/s  
Fibre Channel FC-PH 1.062 Gb/s  
2.125 Gb/s

### TECHNICAL DATA— PLENUM (OFNP) RATED

FIBERS	PART NUMBER	DIAMETER		WEIGHT		MIN. BEND RADIUS				MAX. LOADING			
		in.	mm	lb./kft.	kg/km	install		long term		install		long term	
6	PDP006xxxxxxxx-I/O	0.180	4.6	12	18	2.7	6.9	1.8	4.6	100	445	30	133
12	PDP012xxxxxxxx-I/O	0.210	5.3	18	26	3.2	8.0	2.1	5.3	100	445	30	133
24	PDP024xxxxxxxx-I/O	0.305	7.7	41	61	4.6	11.6	3.1	7.7	150	667	45	200

x's refer to fiber type. See table below.

### TECHNICAL DATA – PLENUM (OFCP) RATED WITH ARMOR-TEK™

FIBERS	PART NUMBER	DIAMETER		WEIGHT		MIN. BEND RADIUS				MAX. LOADING			
		in.	mm	lb./kft.	kg/km	install		long term		install		long term	
6	PDPK006xxxxxxxx-I/O	0.495	12.6	78	116	7.4	18.9	5.0	12.6	100	445	30	133
12	PDPK012xxxxxxxx-I/O	0.523	13.3	87	129	7.8	19.9	5.2	13.3	100	445	30	133
24	PDPK024xxxxxxxx-I/O	0.584	14.8	123	183	8.8	22.3	5.8	14.8	150	667	45	200

x's refer to fiber type. See table below.

### TECHNICAL DATA

FIBER TYPE	PART NUMBER SUFFIX	WAVELENGTH (nm)	MAXIMUM ATTENUATION (dB/km)	BANDWIDTH (MHz·km)	DISTANCE (meters)	
ENHANCED SINGLE-MODE					1 GbE	10 GbE
G657A.1 SM	AB0707	1310/1550	0.7/0.7	N/A	≥ 5000 @ 1310 nm	≥ 10,000
MULTIMODE					1 GbE	10 GbE
62.5/125 µm - Standard	CB3510/25	850/1300	3.5/1.0	200/500	300/600	36/300
50/125 µm - GIGAlite™	LB3010/75	850/1300	3.0/1.0	950/500	750/600	150/300
50/125 µm - GIGAlite-10	EB3010/25	850/1300	3.0/1.0	2000/500	1000/600	300/300
50/125 µm - GIGAlite-10FB	FB3010/F5	850/1300	3.0/1.0	4700/500	1040/600	550/300
50/125 µm - GIGAlite-10XB	XB3010/X5	850/1300	3.0/1.0	4900/500	1210/600	600/300

# PREMISES DISTRIBUTION INDOOR/OUTDOOR

## TIGHT BUFFER FIBER OPTIC CABLE

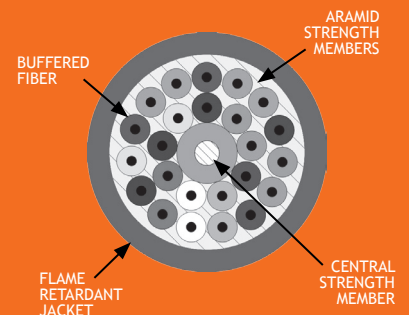


### TEMPERATURE RATING

OPERATION	-40°C to +75°C
STORAGE	-40°C to +85°C
INSTALLATION	0°C to +75°C

## AT A GLANCE

- Indoor/Outdoor
- 900 µm tight buffer
- Water blocked
- Sunlight resistant



Sample Part Number: PDP024EB3010/25-I/O-C4(AQU)

**Berk-Tek**<sup>®</sup>  
A NEXANS COMPANY  
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