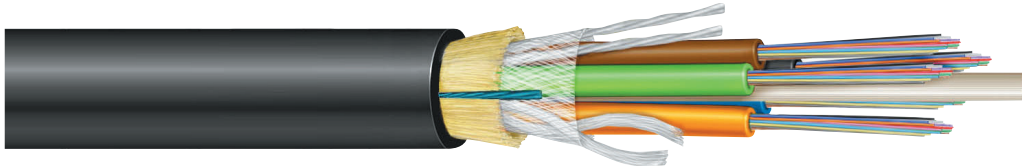


## DXPCB Chemical Resistant Cable

tray rated / loose tube construction / 2 to 144 fibers / singlemode or multimode / OFN



### Applications

These are multiple fiber loose tube cables designed for high-speed interbuilding communication systems including long haul networking, interbuilding trunking and local loop applications, either above or below ground in conduit or in tray installations. The heavy duty jacket of CPE is highly resistant to attack by chemicals and petroleum derivatives. Loose tube design offers optimum fiber performance.

Fully flooded and higher fiber count cables are available. All DXPCB cables are Gigabit Ethernet IEEE 802.3z compliant. MaxCap multimode fiber for 10 Gb networks is available.

### Ratings

- OFN

### Construction

**FIBER:** Multimode or singlemode fibers with an acrylate coating for mechanical protection colored per TIA/EIA 598.

**BUFFER TUBES:** Polymeric insulation filled with a moisture-resistant material to prevent water penetration. Fillers (when needed) are dielectric material.

**CENTRAL STRENGTH MEMBER:** Dielectric material (epoxy/fiberglass rod).

**DRY BLOCK TAPE:** Swellable tape wrapped around the cable core to prevent water penetration.

**STRENGTH MEMBER:** Aramid yarn.

**JACKET:** Black heavy duty CPE.

### Prysmian Group

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## DXPCB Chemical Resistant Cable

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Part Number	Installation Pull Strength Lbs (Newtons)	Installation Bend Radius in (cm)	Operating Tension Lbs (Newtons)	Operating Bend Radius in (cm)	Vertical Rise ft. (meters)	Cable O.D. in (mm)	Approx. Cable Weight Lbs/Mft (Kg/Km)
DXPCB2-02R-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB4-04-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB6-06-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB4-08-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB6-12-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB4-16-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB6-24-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB6-30-XXY	600 (2700)	8.4 (21.4)	200 (890)	4.2 (10.7)	2462 (750)	0.421 • (10.70)	65 (97)
DXPCB6-36-XXY	600 (2700)	9.0 (22.9)	200 (890)	4.5 (11.5)	2078 (633)	0.451 • (11.45)	77 (115)
DXPCB12-48-XXY	600 (2700)	9.4 (23.7)	200 (890)	4.7 (11.9)	1951 (595)	0.467 • (11.86)	82 (122)
DXPCB12-60-XXY	600 (2700)	9.4 (23.7)	200 (890)	4.7 (11.9)	1951 (595)	0.467 • (11.86)	82 (122)
DXPCB12-72-XXY	600 (2700)	10.0 (25.4)	200 (890)	5.0 • 12.7	1684 (513)	0.503 • (12.78)	95 (141)
DXPCB12-84-XXY	600 (2700)	10.8 (27.4)	200 (890)	5.4 (13.7)	1481 (452)	0.541 • (13.74)	108 (161)
DXPCB12-96-XXY	600 (2700)	11.6 (29.4)	200 (890)	5.8 (14.7)	1301 (396)	0.576 • (14.63)	123 (183)
DXPCB12-108-XXY	600 (2700)	12.6 (32.1)	200 (890)	6.3 (16.0)	1103 (336)	0.631 • (16.03)	145 (216)
DXPCB12-120-XXY	600 (2700)	13.4 (33.8)	200 (890)	6.7 (17.0)	988 (301)	0.666 • (16.92)	162 (241)
DXPCB12-132-XXY	600 (2700)	14.0 (35.6)	200 (890)	7.0 (17.8)	894 (272)	0.701 • (17.81)	179 (266)
DXPCB12-144-XXY	600 (2700)	15.2 (38.7)	200 (890)	7.6 (19.3)	758 (231)	0.761 • (19.33)	211 (314)

Flooded core is available. Higher fiber counts are available.

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

### Fiber Performance

Replace XXY in the part number above with your fiber requirements:

Multi-mode Designation	Min. Bandwidth 850nm/1300nm	Max. Attenuation 850nm/1300nm
50GBE	1500/500	3.50/1.50
50H	500/500	3.50/1.50
50E1 (HiCap)	500/500	3.50/1.00
62X	200/500	3.50/1.00
62E1	300/600	3.50/1.00*
* Mode conditioning patch cords not required		
Singlemode Designation	Max. Attenuation 1310nm/1550nm	
010X	0.40/0.30	
010A3	0.35/0.25	
<b>Environmental Specifications</b>		
Description	FOTP	Requirements
Operating Temp	EIA-455-3	-40°C to 80°C
Storage Temp	EIA-455-3	-40°C to 80°C
Installation Temp	- - -	-20°C to 80°C
<b>Mechanical Specifications</b>		
Description	FOTP	Requirements
Crush Resistance	EIA-455-41	600 N/cm (343lbs/in)
Impact Resistance	EIA-455-25	25 impacts with 5.0 N-m
Cyclic Flexing Test	EIA-455-104	2000 cycles

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