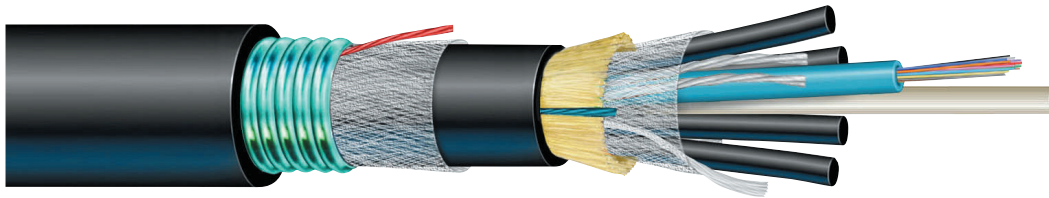


DXPCD Chemical Resistant Cable

for burial / loose tube construction / 2 to 144 fibers / singlemode or multimode / OFC



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 in tray installations, above or below ground in conduit or directly buried. Steel armor and a second jacket of heavy duty CPE resist attack by chemicals and petroleum derivatives as well as provide extra strength for direct burial and resistance to rodent attack. Loose tube design offers optimum fiber performance.

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

Ratings

- OFC

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.

INNER JACKET: Black heavy duty CPE.

ARMOR: Corrugated steel tape formed over the inner jacket and bonded to the outer jacket.

OUTER JACKET: Black heavy duty CPE.

Prysmian Group

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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) |
|-----------------|--|----------------------------------|---------------------------------|-------------------------------|----------------------------|--------------------|--------------------------------------|
| DXPCD2-02R-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 186 (277) |
| DXPCD4-04-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 86 (277) |
| DXPCD6-06-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 186 (277) |
| DXPCD4-08-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 86 (277) |
| DXPCD6-12-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 186 (277) |
| DXPCD4-16-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 + 24.8 | 860 (262) | 0.650 (16.51) | 86 (277) |
| DXPCD6-24-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 86 (277) |
| DXPCD6-30-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 860 (262) | 0.650 (16.51) | 86 (277) |
| DXPCD6-36-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 808 (246) | 0.690 (17.53) | 198 (295) |
| DXPCD12-48-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 758 (231) | 0.690 (17.53) | 211 (314) |
| DXPCD12-60-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 758 (231) | 0.690 (17.53) | 211 (314) |
| DXPCD12-72-XXY | 600 (2700) | 14.6 (37.0) | 200 (890) | 11.0 (27.8) | 693 (211) | 0.730 (18.54) | 231 (344) |
| DXPCD12-84-XXY | 600 (2700) | 15.4 (39.1) | 200 (890) | 11.6 (29.3) | 635 (194) | 0.770 (19.56) | 252 (375) |
| DXPCD12-96-XXY | 600 (2700) | 16.2 (41.1) | 200 (890) | 12.2 (30.9) | 580 (177) | 0.810 (20.57) | 276 (411) |
| DXPCD12-108-XXY | 600 (2700) | 17.4 (44.2) | 200 (890) | 13.1 (33.1) | 537 (164) | 0.870 (22.10) | 298 (443) |
| DXPCD12-120-XXY | 600 (2700) | 18.6 (47.2) | 200 (890) | 14.0 (35.4) | 485 (148) | 0.930 (23.62) | 330 (491) |
| DXPCD12-132-XXY | 600 (2700) | 18.6 (47.2) | 200 (890) | 14.0 (35.4) | 444 (135) | 0.930 (23.62) | 360 (536) |
| DXPCD12-144-XXY | 600 (2700) | 19.8 (50.3) | 200 (890) | 14.8 (37.7) | 398 (121) | 0.990 (25.15) | 402 (598) |

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 | |
| Environmental Specifications | | |
| 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 |
| Mechanical Specifications | | |
| Description | FOTP | Requirements |
| Crush Resistance | EIA-455-41 | 1225 N/cm (700 lbs/in) |
| Impact Resistance | EIA-455-25 | 25 impacts with 5.0 N-m |

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