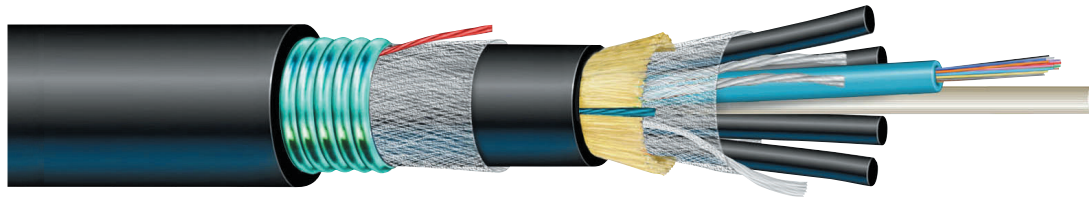


D700L Armored Burial Cable

loose tube construction / 2 to 288 fibers / singlemode or multimode



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. Loose tube design offers optimum fiber performance. Steel armor and a second jacket provide optimum protection for direct burial applications and resistance to rodent attack. These cables comply with RUS-PE-90 requirements.

Fully flooded cables are available. All D700L cables are Gigabit Ethernet IEEE 802.3z compliant. MaxCap multimode fiber for 10 Gb networks is available.

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 polyethylene (PE).

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

OUTER JACKET: Black polyethylene (PE).

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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) |
|-----------------|--|----------------------------------|---------------------------------|-------------------------------|----------------------------|--------------------|--------------------------------------|
| D700L2-02R-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L4-04-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L6-06-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L4-08-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L6-12-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L4-16-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L6-24-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L6-30-XXY | 600 (2700) | 13.0 (33.0) | 200 (890) | 9.8 (24.8) | 1000 (305) | 0.650 (16.51) | 155 (231) |
| D700L6-36-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 941 (287) | 0.690 (17.53) | 170 (253) |
| D700L12-48-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 874 (266) | 0.690 (17.53) | 175 (260) |
| D700L12-60-XXY | 600 (2700) | 13.8 (35.1) | 200 (890) | 10.4 (26.3) | 874 (266) | 0.690 (17.53) | 175 (260) |
| D700L12-72-XXY | 600 (2700) | 14.6 (37.0) | 200 (890) | 11.0 (27.8) | 800 (244) | 0.730 (18.54) | 181 (270) |
| D700L12-84-XXY | 600 (2700) | 15.4 (39.1) | 200 (890) | 11.6 (29.3) | 724 (221) | 0.770 (19.56) | 221 (329) |
| D700L12-96-XXY | 600 (2700) | 16.2 (41.1) | 200 (890) | 12.2 (30.9) | 661 (202) | 0.810 (20.57) | 242 (360) |
| D700L12-108-XXY | 600 (2700) | 17.4 (44.2) | 200 (890) | 13.1 (33.1) | 611 (186) | 0.870 (22.10) | 262 (390) |
| D700L12-120-XXY | 600 (2700) | 18.6 (47.2) | 200 (890) | 14.0 (35.4) | 552 (168) | 0.930 (23.62) | 290 (432) |
| D700L12-132-XXY | 600 (2700) | 18.6 (47.2) | 200 (890) | 14.0 (35.4) | 508 (155) | 0.930 (23.62) | 304 (454) |
| D700L12-144-XXY | 600 (2700) | 18.6 (47.2) | 200 (890) | 14.0 (35.4) | 468 (143) | 0.990 (25.15) | 325 (494) |
| D700L12-156-XXY | 600 (2700) | 21.0 (53.3) | 200 (890) | 15.7 (39.8) | 435 (133) | 1.050 (26.67) | 368 (548) |
| D700L12-216-XXY | 600 (2700) | 21.0 (53.3) | 200 (890) | 15.7 (39.8) | 435 (133) | 1.050 (26.67) | 368 (548) |
| D700L12-288-XXY | 600 (2700) | 22.2 (56.4) | 200 (890) | 16.7 (42.3) | 421 (128) | 1.110 (28.19) | 380 (566) |

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 70°C |
| Storage Temp | EIA-455-3 | -40°C to 70°C |
| Installation Temp | - - - | -30°C to 70°C |
| Mechanical Specifications | | |
| Description | FOTP | Requirements |
| Crush Resistance | EIA-455-41 | 1225 N/cm (700lbs/in) |
| Impact Resistance | EIA-455-25 | 25 impacts with 5.0 N-m |

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