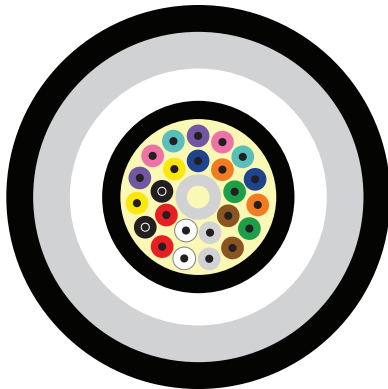


Indoor Riser Premises Distribution with ARMOR-TEK™ (PDRK)

APPLICATION

Leviton Premises Distribution cable is a riser rated tight buffered design. ARMOR-TEK Interlocking Armor is wound around the Premises Distribution cable core. A riser rated sheath is then extruded around the interlocking armor. Black jacketed and waterblocked versions of this cable are available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing. Configurations available suitable for indoor/outdoor installations in conduit below the frost line.



For fiber counts up to 24



For fiber counts from 36-144

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/ns/warranty

FEATURES & BENEFITS

- Single-mode, multimode, and hybrid designs available
- High tensile strength and small diameter design
- Flexible, small diameter, 900 μm tight buffered construction surrounded by aramid yarns
- Sheathed in a special, state-of-the-art polymer material
- 6- to 144-count fiber construction riser design is ideal for horizontal and backbone installations and along plenums
- Available in Low-Smoke Zero Halogen (LSZH) riser rated design
- Cost saving design, easy to install and terminate
- Greater pulling distances reduces installation time
- Assurance that cables will meet required specifications for communication networking applications
- Broad design selection allows for mix and match of fiber components to specific networking applications
- One cable design meeting all structured cabling network communications applications
- OFCR Rated

DESIGN CONSIDERATIONS

- Cable design can accommodate from 6-144 tight buffered (900 μm) fibers
- A glass reinforced (GRP) anti-buckling member is centrally located within cables having fiber counts from 24-144

STANDARDS & REGULATIONS

- EN 50173
- ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; Telcordia GR-409
- RoHS compliant
- ETHERNET: 10BASE – 40GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fibre Channel: 1GFC – 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

Indoor Riser Premises Distribution with ARMOR-TEK (PDRK)

PRODUCT SPECIFICATIONS
Indoor Riser Premises Distribution with ARMOR-TEK™ (PDRK)



Indoor Riser Premises Distribution with ARMOR-TEK (PDRK)

CHARACTERISTICS

| Construction | |
|-----------------------------|--------------------------------------|
| Type of Cable | Tight Buffered (TB) |
| Jacket material | Riser |
| Usage Characteristics | |
| Temperature (Storage): | -40 °C to +85 °C (-40 °F to +185 °F) |
| Temperature (Installation): | -20 °C to +75 °C (-4 °F to +167 °F) |
| Temperature (Operating): | -20°C to +75 °C (-4 °F to +167 °F) |

TECHNICAL DATA - PHYSICAL

| Fiber | Part Number Prefix | Diameter | | Weight | | Min. Bend Radius | | | | Max. Loading | | | |
|-------|--------------------|----------|------|---------|-------|------------------|------|-----------|------|--------------|------|-----------|------|
| | | in. | mm | lb./kft | kg/km | Install | | Long Term | | Install | | Long Term | |
| | | | | | | in. | cm | in. | cm | lbf. | N | lbf. | N |
| 6 | PDRK006 | 0.624 | 15.8 | 120 | 179 | 9.4 | 23.8 | 6.2 | 15.8 | 150 | 667 | 45 | 200 |
| 12 | PDRK012 | 0.624 | 15.8 | 126 | 188 | 9.4 | 23.8 | 6.2 | 15.8 | 150 | 667 | 45 | 200 |
| 24 | PDRK024 | 0.690 | 17.5 | 166 | 248 | 10.4 | 26.3 | 6.9 | 17.5 | 150 | 667 | 45 | 200 |
| 36 | PDRK12B036 | 0.961 | 24.4 | 277 | 412 | 14.4 | 36.6 | 9.6 | 24.4 | 300 | 1335 | 90 | 400 |
| 48 | PDRK12B048 | 0.961 | 24.4 | 301 | 448 | 14.4 | 36.6 | 9.6 | 24.4 | 600 | 2670 | 180 | 800 |
| 72 | PDRK12B072 | 1.080 | 27.4 | 397 | 591 | 16.2 | 41.1 | 10.8 | 27.4 | 600 | 2670 | 180 | 800 |
| 96 | PDRK12B096 | 1.265 | 32.1 | 521 | 778 | 19.0 | 48.2 | 12.7 | 32.1 | 600 | 2670 | 180 | 800 |
| 144 | PDRK12B144 | 1.265 | 32.1 | 539 | 802 | 19.0 | 48.2 | 12.7 | 32.1 | 1000 | 4445 | 300 | 1335 |

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) | | | |
|--|--------------------|---------------|-----------|-----------------|-----------------------------|---|-------------------|---------------|---------------|----------------|
| Multimode - 62.5 µm Standard, and 50 µm Bend Insensitive | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE |
| OM1 | CB3510/25 | CB | 62.5 µm | 850/1300 | 3.5/1.0 | 200 | 300 | 33 | N/A | N/A |
| OM3 | EB3010/25 | EB | 50 µm | 850/1300 | 2.8/0.8 | 2000 | 1000 | 300 | 100 | 70 |
| OM4 | FB3010/F5 | FB | 50 µm | 850/1300 | 2.8/0.8 | 4700 | 1040 | 550 | 150 | 100 |
| OM4+ | XB3010/X5 | XB | 50 µm | 850/1300 | 2.8/0.8 | 4900 | 1210 | 600 | 300 | 150 |
| WideBand Multimode - Bend Insensitive | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE |
| OM5 | WB3010/W5 | WB | 50 µm | 850-953/1300 | 2.8/0.8 | 4700 | 1040 | 550 | 190 | 100 |
| Single-mode Bend Insensitive - ITU-T G.652.D and G.657.A1 Compliant | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE |
| OS2 | AB0707 | AB | SMF | 1310/1550 | 0.5/0.5 | N/A | ≥ 5000 | ≥ 10000 | ≥ 10000 | ≥ 10000 |

For further support information, visit Leviton.com/ns/support

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