

Contact

Fiber LAN Product Inquiry
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Premises Distribution Riser

Berk-Tek's tight buffered, fiber optic cable is designed for installation in riser and horizontal environments and interbuilding backbone structures.

Description

Berk-Tek's tight buffered cable is available with standard multimode, single-mode and GIGAlite™ fibers.

Construction

900 µm buffered fibers surrounded by aramid yarns. Sheathed using a special, state-of-the-art polymer material.

All dielectric.

Outdoor Considerations

Black jacketed and water-blocked versions of both plenum and riser cables available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing.

Applications

Berk-Tek's tight buffered cable is intended for all high speed data applications including:

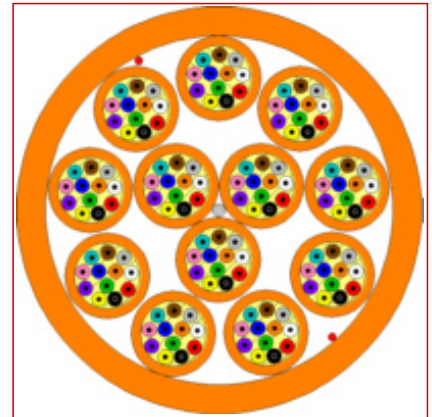
- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- Flexible, small diameter, 900 µm tight buffered construction
- High tensile strength and small diameter design
- Six to 144 count fiber construction riser designs ideal for horizontal and backbone installation
- Single-mode, multimode, and hybrid designs available
- Also available in low smoke zero halogen design
- Water blocked indoor/outdoor versions, suitable for installations in-conduit below the frost line, are available

Benefits

- Cost-saving design, easy to install and terminate
- Provides for greater pulling distances thus reducing 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



Standards

International EN 50173; ISO/IEC 11801

National ANSI/ICEA S-83-596; ANSI/TIA-568-C.3; Telcordia GR-409

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Characteristics

Construction characteristics	
Type of cable	Tight Buffered (TB)
Outer sheath	Riser
Usage characteristics	
RoHS conform	Yes
Operating temperature, range	-40 .. 75 °C
Ambient installation temperature, range	-20 .. 75 °C
Storage temperature, range	-40 .. 85 °C

Product List

☎=Make to order, 🏭=Make to stock

Part Number	Description
🏭 PDR012CB3510/25	12 x OM1 Premise Distribution Riser Cable
☎ PDR012GB3510/25	12 x OM1+ Premise Distribution Riser Cable
☎ PDR012ZB3515/55	12 x OM2 Premise Distribution Riser Cable
🏭 PDR012LB3010/75	12 x OM2+ Premise Distribution Riser Cable
☎ PDR012EB3010/25	12 x OM3 Premise Distribution Riser Cable
☎ PDR012FB3010/F5	12 x OM4 Premise Distribution Riser Cable
☎ PDR012XB3010/X5	12 x OM4+ Premise Distribution Riser Cable
🏭 PDR012AB0707	12 x OS2 Premise Distribution Riser Cable
☎ PDR12B144CB3510/25	144 x OM1 Premise Distribution Riser Cable
☎ PDR12B144GB3510/25	144 x OM1+ Premise Distribution Riser Cable
☎ PDR12B144ZB3515/55	144 x OM2 Premise Distribution Riser Cable
☎ PDR12B144LB3010/75	144 x OM2+ Premise Distribution Riser Cable
☎ PDR12B144EB3010/25	144 x OM3 Premise Distribution Riser Cable
☎ PDR12B144FB3010/F5	144 x OM4 Premise Distribution Riser Cable
☎ PDR12B144XB3010/X5	144 x OM4+ Premise Distribution Riser Cable
☎ PDR12B144AB0707	144 x OS2 Premise Distribution Riser Cable
☎ PDR018CB3510/25	18 x OM1 Premise Distribution Riser Cable
☎ PDR018GB3510/25	18 x OM1+ Premise Distribution Riser Cable
☎ PDR018ZB3515/55	18 x OM2 Premise Distribution Riser Cable
☎ PDR018LB3010/75	18 x OM2+ Premise Distribution Riser Cable
☎ PDR018EB3010/25	18 x OM3 Premise Distribution Riser Cable
☎ PDR018FB3010/F5	18 x OM4 Premise Distribution Riser Cable
☎ PDR018XB3010/X5	18 x OM4+ Premise Distribution Riser Cable
☎ PDR018AB0707	18 x OS2 Premise Distribution Riser Cable
🏭 PDR024CB3510/25	24 x OM1 Premise Distribution Riser Cable
☎ PDR12B024CB3510/25	24 x OM1 Premise Distribution Riser Cable
☎ PDR024GB3510/25	24 x OM1+ Premise Distribution Riser Cable

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Part Number	Description
☎ PDR12B024GB3510/25	24 x OM1+ Premise Distribution Riser Cable
☎ PDR024ZB3515/55	24 x OM2 Premise Distribution Riser Cable
☎ PDR12B024ZB3515/55	24 x OM2 Premise Distribution Riser Cable
☎ PDR024LB3010/75	24 x OM2+ Premise Distribution Riser Cable
☎ PDR12B024LB3010/75	24 x OM2+ Premise Distribution Riser Cable
☎ PDR024EB3010/25	24 x OM3 Premise Distribution Riser Cable
☎ PDR12B024EB3010/25	24 x OM3 Premise Distribution Riser Cable
☎ PDR024FB3010/F5	24 x OM4 Premise Distribution Riser Cable
☎ PDR12B024FB3010/F5	24 x OM4 Premise Distribution Riser Cable
☎ PDR024XB3010/X5	24 x OM4+ Premise Distribution Riser Cable
☎ PDR12B024XB3010/X5	24 x OM4+ Premise Distribution Riser Cable
☎ PDR024AB0707	24 x OS2 Premise Distribution Riser Cable
☎ PDR12B024AB0707	24 x OS2 Premise Distribution Riser Cable
☎ PDR12B036CB3510/25	36 x OM1 Premise Distribution Riser Cable
☎ PDR12B036GB3510/25	36 x OM1+ Premise Distribution Riser Cable
☎ PDR12B036ZB3515/55	36 x OM2 Premise Distribution Riser Cable
☎ PDR12B036LB3010/75	36 x OM2+ Premise Distribution Riser Cable
☎ PDR12B036EB3010/25	36 x OM3 Premise Distribution Riser Cable
☎ PDR12B036FB3010/F5	36 x OM4 Premise Distribution Riser Cable
☎ PDR12B036XB3010/X5	36 x OM4+ Premise Distribution Riser Cable
☎ PDR12B036AB0707	36 x OS2 Premise Distribution Riser Cable
☎ PDR12B048CB3510/25	48 x OM1 Premise Distribution Riser Cable
☎ PDR12B048GB3510/25	48 x OM1+ Premise Distribution Riser Cable
☎ PDR12B048ZB3515/55	48 x OM2 Premise Distribution Riser Cable
☎ PDR12B048LB3010/75	48 x OM2+ Premise Distribution Riser Cable
☎ PDR12B048EB3010/25	48 x OM3 Premise Distribution Riser Cable
☎ PDR12B048FB3010/F5	48 x OM4 Premise Distribution Riser Cable
☎ PDR12B048XB3010/X5	48 x OM4+ Premise Distribution Riser Cable
☎ PDR12B048AB0707	48 x OS2 Premise Distribution Riser Cable
☎ PDR006CB3510/25	6 x OM1 Premise Distribution Riser Cable
☎ PDR006GB3510/25	6 x OM1+ Premise Distribution Riser Cable
☎ PDR006ZB3515/55	6 x OM2 Premise Distribution Riser Cable
☎ PDR006LB3010/75	6 x OM2+ Premise Distribution Riser Cable
☎ PDR006EB3010/25	6 x OM3 Premise Distribution Riser Cable
☎ PDR006FB3010/F5	6 x OM4 Premise Distribution Riser Cable
☎ PDR006XB3010/X5	6 x OM4+ Premise Distribution Riser Cable
☎ PDR006AB0707	6 x OS2 Premise Distribution Riser Cable
☎ PDR12B060CB3510/25	60 x OM1 Premise Distribution Riser Cable
☎ PDR12B060GB3510/25	60 x OM1+ Premise Distribution Riser Cable
☎ PDR12B060ZB3515/55	60 x OM2 Premise Distribution Riser Cable
☎ PDR12B060LB3010/75	60 x OM2+ Premise Distribution Riser Cable
☎ PDR12B060EB3010/25	60 x OM3 Premise Distribution Riser Cable
☎ PDR12B060FB3010/F5	60 x OM4 Premise Distribution Riser Cable

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Part Number	Description
☎ PDR12B060XB3010/X5	60 x OM4+ Premise Distribution Riser Cable
☎ PDR12B060AB0707	60 x OS2 Premise Distribution Riser Cable
☎ PDR12B072CB3510/25	72 x OM1 Premise Distribution Riser Cable
☎ PDR12B072GB3510/25	72 x OM1+ Premise Distribution Riser Cable
☎ PDR12B072ZB3515/55	72 x OM2 Premise Distribution Riser Cable
☎ PDR12B072LB3010/75	72 x OM2+ Premise Distribution Riser Cable
☎ PDR12B072EB3010/25	72 x OM3 Premise Distribution Riser Cable
☎ PDR12B072FB3010/F5	72 x OM4 Premise Distribution Riser Cable
☎ PDR12B072XB3010/X5	72 x OM4+ Premise Distribution Riser Cable
☎ PDR12B072AB0707	72 x OS2 Premise Distribution Riser Cable
☎ PDR008LB3010/75	8 x OM2+ Premise Distribution Riser Cable
☎ PDR008AB0707	8 x OS2 Premise Distribution Riser Cable
☎ PDR12B096CB3510/25	96 x OM1 Premise Distribution Riser Cable
☎ PDR12B096GB3510/25	96 x OM1+ Premise Distribution Riser Cable
☎ PDR12B096ZB3515/55	96 x OM2 Premise Distribution Riser Cable
☎ PDR12B096LB3010/75	96 x OM2+ Premise Distribution Riser Cable
☎ PDR12B096EB3010/25	96 x OM3 Premise Distribution Riser Cable
☎ PDR12B096FB3010/F5	96 x OM4 Premise Distribution Riser Cable
☎ PDR12B096XB3010/X5	96 x OM4+ Premise Distribution Riser Cable
☎ PDR12B096AB0707	96 x OS2 Premise Distribution Riser Cable
☎ PDR024-012CB3510/25-012AB0707	Hybrid 12 x OM1 & 12 x OS2 Premise Distribution Riser Cable
☎ PDR12B060-012EB3010/25-048AB0707	Hybrid 12 x OM3 & 48 x OS2 Premise Distribution Riser Cable
☎ PDR024-012EB3010/25-012AB0707	Hybrid 12xOS2 & 12xOM3 Premise Distribution Riser Cable
☎ PDR024-012FB3010/25-012AB0707	Hybrid 12xOS2 & 12xOM4 Premise Distribution Riser Cable
☎ PDR12B036-024EB3010/25-012AB0707	Hybrid 12xOS2 & 24xOM3 Premise Distribution Riser Cable
☎ PDR12B048-024CB3510/25-024AB0707	Hybrid 24 x OM1 & 24 x OS2 Premise Distribution Riser Cable
☎ PDR12B048-024EB3010/25-024AB0707	Hybrid 24xOS2 & 24xOM3 Premise Distribution Riser Cable
☎ PDR12B096-048CB3510/25-048AB0707	Hybrid 48 x OM1 & 48 x OS2 Premise Distribution Riser Cable
☎ PDR12B072-048EB3010/25-024AB0707	Hybrid 48 x OM3 & 24 x OS2 Premise Distribution Riser Cable
☎ PDR012-006EB3010/25-006AB0707	Hybrid 6xOS2 & 6xOM3 Premise Distribution Riser Cable
☎ PDR12B144-072CB3510/25-072AB0707	Hybrid 72 x OM1 & 72 x OS2 Premise Distribution Riser Cable
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Sheath Colors

Fiber Type	ISO-TIA Standard	Effective Modal BW @ 850 nm	Overfilled Launch BW @ 850 nm	Attenuation @ 850 nm	Attenuation @ 1300 nm	Attenuation @ 1550 nm	Sheath Color
AB	OS2	NS	NS	NS	0.7 dB/km	0.7 dB/km	Yellow
CB	OM1	200 MHz-km	200 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
GB	OM1+	500 MHz-km	350 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
ZB	OM2	500 MHz-km	500 MHz-km	3.5 dB/km	1.5 dB/km	NS	Orange
LB	OM2+	950 MHz-km	700 MHz-km	3.0 dB/km	1.0 dB/km	NS	Orange
EB	OM3	2000 MHz-km	1500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
FB	OM4	4700 MHz-km	3500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
XB	OM4+	4900 MHz-km	3675 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua

NS = Not Specified

Manufacturing Release

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