

Premises Distribution w/Interlocking Armor Riser

Berk-Tek's 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.

Description

Berk-Tek's tight buffered with Interlocking Armor 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.

OFCR Rated. Available with Aluminum or Steel Armor.

Outdoor Considerations

Black jacketed and water-blocked versions of this cable are available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing.

Applications

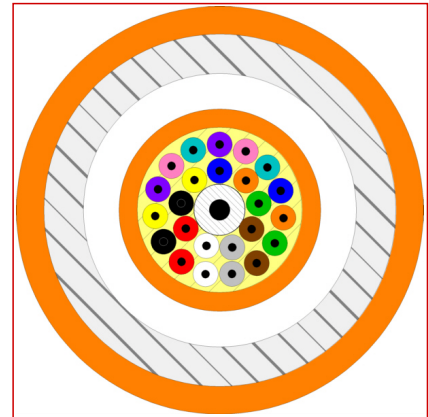
Berk-Tek's tight buffered Interlocking Armor cable is intended for all high speed data applications including:

- 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 tightbuffered construction
- High tensile strength and small diameter design
- Six to 144 count fiber construction riser designs ideal for horizontal and backbone and installation
- Single-mode, multimode, and hybrid designs available
- Also available in low smoke zero halogen design
- Configurations available suitable for indoor/outdoor installations in conduit, below the frost line

Benefits



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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- 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
- One cable design meeting all structured cabling network communications applications

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

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	OS1	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

Physical Characteristics - All Fiber Types

Nb optical fibres	Minimum Bending Radius - LongTerm [in]	Max. Load. Long Term (lbs) [lb]	Minimum Bending Radius - Install [in]	Approximate weight [lb/kft]	Maximum installation tension [lb]
6	6.2	45.0	9.4	120	150
12	6.2	45.0	9.4	126	150
18	6.2	45.0	9.4	134	150
24	6.9	45.0	10.4	166	150
36	9.6	90.0	14.4	277	300

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Nb optical fibres	Minimum Bending Radius - LongTerm [in]	Max. Load. Long Term (lbs) [lb]	Minimum Bending Radius - Install [in]	Approximate weight [lb/kft]	Maximum installation tension [lb]
48	9.6	180.0	14.4	301	600
72	10.8	180.0	16.2	397	600
144	12.7	300.0	19	539	1000

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description
☎ PDRK012CB3510/25	12 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012GB3510/25	12 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012ZB3515/15	12 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012LB3010/75	12 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012EB3010/25	12 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012FB3010/F5	12 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012XB3010/X5	12 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012AB0707	12 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144CB3510/25	144 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144GB3510/25	144 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144ZB3515/15	144 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144LB3010/75	144 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144EB3010/25	144 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144FB3010/F5	144 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144XB3010/X5	144 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B144AB0707	144 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018CB3510/25	18 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018GB3510/25	18 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018ZB3515/15	18 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018LB3010/75	18 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018EB3010/25	18 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018FB3010/F5	18 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018XB3010/X5	18 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK018AB0707	18 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024CB3510/25	24 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024GB3510/25	24 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024ZB3515/15	24 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024LB3010/75	24 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024EB3010/25	24 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024FB3010/F5	24 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024XB3010/X5	24 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024AB0707	24 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036CB3510/25	36 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036GB3510/25	36 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036ZB3515/15	36 x OM2 Premise Distribution Riser Cable with Interlocking Armor

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Part Number	Description
☎ PDRK12B036LB3010/75	36 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036EB3010/25	36 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036FB3010/F5	36 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036XB3010/X5	36 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036AB0707	36 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048CB3510/25	48 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048GB3510/25	48 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048ZB3515/15	48 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048LB3010/75	48 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048EB3010/25	48 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048FB3010/F5	48 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048XB3010/X5	48 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048AB0707	48 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006CB3510/25	6 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006GB3510/25	6 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006ZB3515/15	6 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006LB3010/75	6 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006EB3010/25	6 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006FB3010/F5	6 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006XB3010/X5	6 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK006AB0707	6 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072CB3510/25	72 x OM1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072GB3510/25	72 x OM1+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072ZB3515/15	72 x OM2 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072LB3010/75	72 x OM2+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072EB3010/25	72 x OM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072FB3010/F5	72 x OM4 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072XB3010/X5	72 x OM4+ Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B072AB0707	72 x OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024-012LB3010/75-012AB0707	Hybrid 12 x OM2+ & 12 OS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK024-012EB3010/25-012AB0707	Hybrid 12xOS1 & 12xOM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036-024EB3010/25-012AB0707	Hybrid 12xOS1 & 24xOM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B036-024FB3010/F5-012AB0707	Hybrid 24xOM4 & 12xOS1 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK12B048-024EB3010/25-024AB0707	Hybrid 24xOS1 & 24xOM3 Premise Distribution Riser Cable with Interlocking Armor
☎ PDRK012-006EB3010/25-006AB0707	Hybrid 6xOS1 & 6xOM3 Premise Distribution Riser Cable with Interlocking Armor

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Manufacturing Release

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