

Contact

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Premises Distribution with Interlocking Armor Plenum

Berk-Tek's Premises Distribution cable is a Plenum rated tight buffered design. Armor-Tek Interlocking Armor is wrapped around the Premises Distribution cable core. A plenum rated sheath is the extruded around the interlocking armor.

Description

Construction

- 900 µm buffered fibers surrounded by aramid yarns
- Sheathed using a special, state-of-the-art polymer material
- Aluminum and Steel interlock armor available
- OFCP Rated

Outdoor Considerations

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

Applications

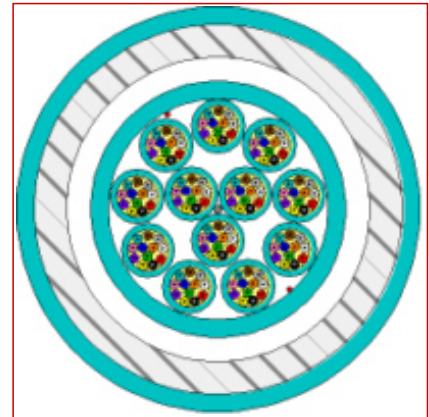
Berk-Tek's tight buffered Interlocking Armor cable is intended for all high speed data applications including:

- 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

- Single-mode, multimode, GIGAlite™ and hybrid designs available
- Available with new bend-optimized single-mode fibers
- High tensile strength, crush resistant
- Flexible, small diameter, 900 µm tight buffered construction core
- Six to 144 count fiber construction plenum designs ideal for horizontal and backbone and installations and along plenums
- 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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- Eliminates the need for conduit or plenum innerduct
- Significant cost savings in both materials and labor - up to 25%
- Accommodates last minute relocations or pathway changes
- Provides a higher concentration of cables in an area than conduit
- Can be installed in campus environments due to the durability and indoor/outdoor rating of the cable
- Armor provides crush protection and protection from rodent attacks

Characteristics

Construction characteristics	
Type of cable	Tight Buffered (TB)
Outer sheath	Plenum
Usage characteristics	
RoHS conform	Yes
Operating temperature, range	-20 .. 75 °C
Ambient installation temperature, range	0 .. 75 °C
Storage temperature, range	-40 .. 85 °C

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description
📦 PDPK012CB3510/25	12 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK012GB3510/25	12 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK012ZB3515/55	12 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
📦 PDPK012LB3010/75	12 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
📦 PDPK012EB3010/25	12 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK012FB3010/F5	12 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK012XB3010/X5	12 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
📦 PDPK012AB0707	12 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144CB3510/25	144 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144GB3510/25	144 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144ZB3515/55	144 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144LB3010/75	144 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144EB3010/25	144 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144FB3010/F5	144 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144XB3010/X5	144 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B144AB0707	144 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018CB3510/25	18 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018GB3510/25	18 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018ZB3515/55	18 x OM2 Premise Distribution Plenum Cable with Interlocking Armor

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Premises Distribution with Interlocking Armor Plenum

Part Number	Description
☎ PDPK018LB3010/75	18 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018EB3010/25	18 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018FB3010/F5	18 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018XB3010/X5	18 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK018AB0707	18 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024CB3510/25	24 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024GB3510/25	24 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024ZB3515/55	24 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024LB3010/75	24 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024EB3010/25	24 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024FB3010/F5	24 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024XB3010/X5	24 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024AB0707	24 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036CB3510/25	36 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036GB3510/25	36 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036ZB3515/55	36 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036LB3010/75	36 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036EB3010/25	36 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036FB3010/F5	36 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036XB3010/X5	36 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036AB0707	36 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048CB3510/25	48 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048GB3510/25	48 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048ZB3515/55	48 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048LB3010/75	48 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048EB3010/25	48 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048FB3010/F5	48 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048XB3010/X5	48 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048AB0707	48 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006CB3510/25	6 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006GB3510/25	6 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006ZB3515/55	6 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006LB3010/75	6 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006EB3010/25	6 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006FB3010/F5	6 x OM4 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006XB3010/X5	6 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK006AB0707	6 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072CB3510/25	72 x OM1 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072GB3510/25	72 x OM1+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072ZB3515/55	72 x OM2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072LB3010/75	72 x OM2+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072EB3010/25	72 x OM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072FB3010/F5	72 x OM4 Premise Distribution Plenum Cable with Interlocking Armor

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Premises Distribution with Interlocking Armor Plenum

Part Number	Description
☎ PDPK12B072XB3010/X5	72 x OM4+ Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B072AB0707	72 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024-012XB3010/X5-012AB0707	Hybrid 12 x OM4+ & 12 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK024-012EB3010/25-012AB0707	Hybrid 12xOS2 & 12xOM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048-024XB3010/X5-024AB0707	Hybrid 24 x OM4+ & 24 x OS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036-024CB3510/25-012AB0707	Hybrid 24xOM1 & 12xOS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B036-024EB3010/25-012AB0707	Hybrid 24xOM3 & 12xOS2 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK12B048-024EB3010/25-024AB0707	Hybrid 24xOS2 & 24xOM3 Premise Distribution Plenum Cable with Interlocking Armor
☎ PDPK012-006EB3010/25-006AB0707	Hybrid 6xOS2 & 6xOM3 Premise Distribution Plenum Cable with Interlocking Armor

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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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