

Interconnect Plenum Cabling

Berk-Tek's Interconnect Tight Buffered Plenum fiber optic cable is designed for installation along plenums and in riser horizontal structured cabling applications.

Description

Berk-Tek's Plenum Interconnect Tight Buffered cables are available with standard multimode, single-mode, and GIGAlite™ optical fibers.

Construction

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

All Dielectric. OFNP FT-6

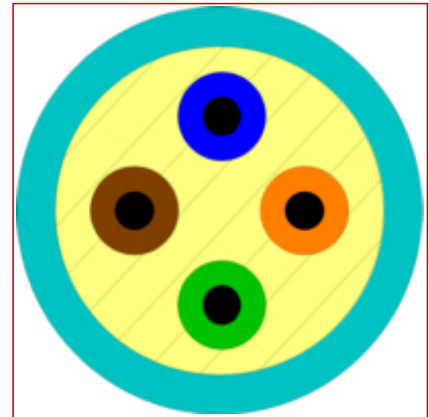
Applications

Berk-Tek's Interconnect 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 um tight buffered construction
- High tensile strength and small diameter design
- 1 through 4 fiber designs for patch cable and horizontal installations



Standards

International EN 50173; ISO/IEC 11801

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

Characteristics

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

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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	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	Approximate weight [lb/kft]	Minimum Bending Radius - Long Term [in]	Max. Load. Long Term (lbs) [lb]	Minimum Bending Radius - Install [in]	Maximum installation tension [lb]
1	6	1.2	15.0	1.7	50
2	11	2.3	15.0	3.5	50
2	12	1.7	30.0	2.6	100
4	13	1.7	30.0	2.6	100

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description
☎ ICP001CB3510/25	1 x OM1 Interconnect Plenum Cable
☎ ICP001GB3510/25	1 x OM1+ Interconnect Plenum Cable
☎ ICP001ZB3515/15	1 x OM2 Interconnect Plenum Cable
☎ ICP001LB3010/75	1 x OM2+ Interconnect Plenum Cable
☎ ICP001EB3010/25	1 x OM3 Interconnect Plenum Cable
☎ ICP001FB3010/F5	1 x OM4 Interconnect Plenum Cable
☎ ICP001XB3010/X5	1 x OM4+ Interconnect Plenum Cable
☎ ICP001AB0707	1 x SMF Interconnect Plenum Cable
📦 ICP002CB3510/25	2 x OM1 Interconnect Plenum Round Cable
📦 ICP0X0CB3510/25	2 x OM1 Interconnect Plenum Zipcord Cable
☎ ICP002GB3510/25	2 x OM1+ Interconnect Plenum Round Cable
☎ ICP0X0GB3510/25	2 x OM1+ Interconnect Plenum Zipcord Cable
☎ ICP002ZB3515/15	2 x OM2 Interconnect Plenum Round Cable
☎ ICP0X0ZB3515/15	2 x OM2 Interconnect Plenum Zipcord Cable
☎ ICP002LB3010/75	2 x OM2+ Interconnect Plenum Round Cable
☎ ICP0X0LB3010/75	2 x OM2+ Interconnect Plenum Zipcord Cable

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Part Number	Description
☐ ICP002EB3010/25	2 x OM3 Interconnect Plenum Round Cable
☐ ICP0X0EB3010/25	2 x OM3 Interconnect Plenum Zipcord Cable
☎ ICP002FB3010/F5	2 x OM4 Interconnect Plenum Round Cable
☎ ICP0X0FB3010/F5	2 x OM4 Interconnect Plenum Zipcord Cable
☎ ICP002XB3010/X5	2 x OM4+ Interconnect Plenum Round Cable
☎ ICP0X0XB3010/X5	2 x OM4+ Interconnect Plenum Zipcord Cable
☎ ICP002AB0707	2 x SMF Interconnect Plenum Round Cable
☎ ICP0X0AB0707	2 x SMF Interconnect Plenum Zipcord Cable
☐ ICP004CB3510/25	4 x OM1 Interconnect Plenum Cable
☎ ICP004GB3510/25	4 x OM1+ Interconnect Plenum Cable
☎ ICP004ZB3515/15	4 x OM2 Interconnect Plenum Cable
☎ ICP004LB3010/75	4 x OM2+ Interconnect Plenum Cable
☐ ICP004EB3010/25	4 x OM3 Interconnect Plenum Cable
☎ ICP004FB3010/F5	4 x OM4 Interconnect Plenum Cable
☎ ICP004XB3010/X5	4 x OM4+ Interconnect Plenum Cable
☎ ICP004AB0707	4 x SMF Interconnect Plenum Cable

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Manufacturing Release

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