

Contact

Fiber LAN Product Inquiry
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Interconnect Riser Cable

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

Description

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

Construction

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

All Dielectric. OFNR(UL) OFN-FT4 c(UL)

Applications

Berk-Tek's Interconnect Tight Buffered Cable is intended for all high speed data applications including:

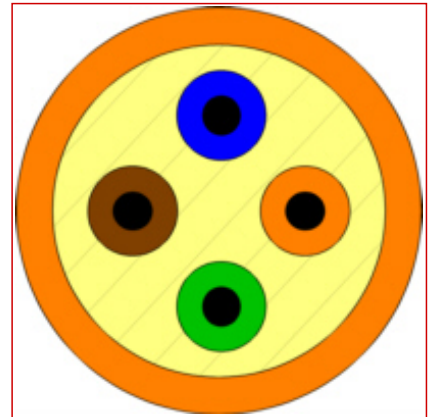
- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- Flexible, small diameter, 900 µm tight buffered construction
- High tensile strength and small diameter design
- 1 through 4 fiber designs for patch cable and horizontal installations

Benefits

- Also available in low-smoke zero-halogen design
- Cost-saving design is easy to install and terminate
- Space-saving design allows for dense cable installations



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	-20 .. 85 °C
Ambient installation temperature, range	-10 .. 70 °C
Storage temperature, range	-40 .. 85 °C

Physical Characteristics - All Fiber Types

Nb optical fibres	Approximate weight [lb/kft]	Minimum Bending Radius - LongTerm [in]	Max. Load. Long Term (lbs) [lb]	Minimum Bending Radius - Install [in]	Maximum installation tension [lb]
1	3	0.8	15.0	1.2	50
1	6	1.1	15.0	1.7	50
2	5	0.8	15.0	1.2	50
2	12	1.1	15.0	1.7	50
2	12	1.9	30.0	2.8	100
4	13	1.9	30.0	2.8	100

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description
☎ ICR001CB3510/25	1 x OM1 Interconnect Riser Cable
☎ ICR001CB3510/25-D4 (2.0mm)	1 x OM1 Interconnect Riser Cable - 2.0 mm
☎ ICR001GB3510/25	1 x OM1+ Interconnect Riser Cable
☎ ICR001GB3510/25-D4 (2.0mm)	1 x OM1+ Interconnect Riser Cable - 2.0 mm
☎ ICR001ZB3515/55	1 x OM2 Interconnect Riser Cable
☎ ICR001ZB3515/55-D4 (2.0mm)	1 x OM2 Interconnect Riser Cable - 2.0 mm
☎ ICR001LB3010/75	1 x OM2+ Interconnect Riser Cable
☎ ICR001LB3010/75-D4 (2.0mm)	1 x OM2+ Interconnect Riser Cable - 2.0 mm
☎ ICR001EB3010/25	1 x OM3 Interconnect Riser Cable
☎ ICR001EB3010/25-D4 (2.0mm)	1 x OM3 Interconnect Riser Cable - 2.0 mm
☎ ICR001FB3010/F5	1 x OM4 Interconnect Riser Cable
☎ ICR001FB3010/F5-D4 (2.0mm)	1 x OM4 Interconnect Riser Cable - 2.0 mm
☎ ICR001XB3010/X5	1 x OM4+ Interconnect Riser Cable
☎ ICR001XB3010/X5-D4 (2.0mm)	1 x OM4+ Interconnect Riser Cable - 2.0 mm
☎ ICR001AB0707	1 x OS2 Interconnect Riser Cable
☎ ICR001AB0707-D4 (2.0mm)	1 x OS2 Interconnect Riser Cable - 2.0 mm
☎ ICR002CB3510/25	2 x OM1 Interconnect Riser Round Cable
📦 ICR0X0CB3510/25	2 x OM1 Interconnect Riser Zipcord Cable
☎ ICR0X0CB3510/25-D4 (2.0mm)	2 x OM1 Interconnect Riser Zipcord Cable - 2.0 mm

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Part Number	Description
☎ ICR002GB3510/25	2 x OM1+ Interconnect Riser Round Cable
☎ ICR0X0GB3510/25	2 x OM1+ Interconnect Riser Zipcord Cable
☎ ICR0X0GB3510/25-D4 (2.0mm)	2 x OM1+ Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002ZB3515/55	2 x OM2 Interconnect Riser Round Cable
☎ ICR0X0ZB3515/55	2 x OM2 Interconnect Riser Zipcord Cable
☎ ICR0X0ZB3515/55-D4 (2.0mm)	2 x OM2 Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002LB3010/75	2 x OM2+ Interconnect Riser Round Cable
☎ ICR0X0LB3010/75	2 x OM2+ Interconnect Riser Zipcord Cable
☎ ICR0X0LB3010/75-D4 (2.0mm)	2 x OM2+ Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002EB3010/25	2 x OM3 Interconnect Riser Round Cable
☎ ICR0X0EB3010/25	2 x OM3 Interconnect Riser Zipcord Cable
☎ ICR0X0EB3010/25-D4 (2.0mm)	2 x OM3 Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002FB3010/F5	2 x OM4 Interconnect Riser Round Cable
☎ ICR0X0FB3010/F5	2 x OM4 Interconnect Riser Zipcord Cable
☎ ICR0X0FB3010/F5-D4 (2.0mm)	2 x OM4 Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002XB3010/X5	2 x OM4+ Interconnect Riser Round Cable
☎ ICR0X0XB3010/X5	2 x OM4+ Interconnect Riser Zipcord Cable
☎ ICR0X0XB3010/X5-D4 (2.0mm)	2 x OM4+ Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR002AB0707	2 x OS2 Interconnect Riser Round Cable
☎ ICR0X0AB0707	2 x OS2 Interconnect Riser Zipcord Cable
☎ ICR0X0AB0707-D4 (2.0mm)	2 x OS2 Interconnect Riser Zipcord Cable - 2.0 mm
☎ ICR004CB3510/25	4 x OM1 Interconnect Riser Cable
☎ ICR004GB3510/25	4 x OM1+ Interconnect Riser Cable
☎ ICR004ZB3515/55	4 x OM2 Interconnect Riser Cable
☎ ICR004LB3010/75	4 x OM2+ Interconnect Riser Cable
☎ ICR004EB3010/25	4 x OM3 Interconnect Riser Cable
☎ ICR004FB3010/F5	4 x OM4 Interconnect Riser Cable
☎ ICR004XB3010/X5	4 x OM4+ Interconnect Riser Cable
☎ ICR004AB0707	4 x OS2 Interconnect 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

IMPORTANT NOTICE: This product specification is provided for informational purposes only in order to illustrate typical product constructions, applications and/or methods of installation. Because conditions of actual installation and use are unique and will vary, Berk-Tek makes no representation or warranty as to the reliability, accuracy or completeness of this data, even if Berk-Tek is aware of the product's intended use or purpose. Furthermore, this data does not constitute, nor should it be regarded or relied upon, as professional engineering advice. Installation of cable should only be done by qualified personnel and in conformance with all safety, electrical and other applicable codes, standards, rules or regulations. Appropriate and correct product selection, installation and use, and compliance with all such codes, standards, rules and regulations, is a customer/end-user responsibility. Product specifications, standards, programs or services are subject to improvement or changes without notice. Berk-Tek accepts no liability for typographical errors, technical inaccuracies, omissions or misuse of the information contained herein. Changes will be periodically made to address any such issues.