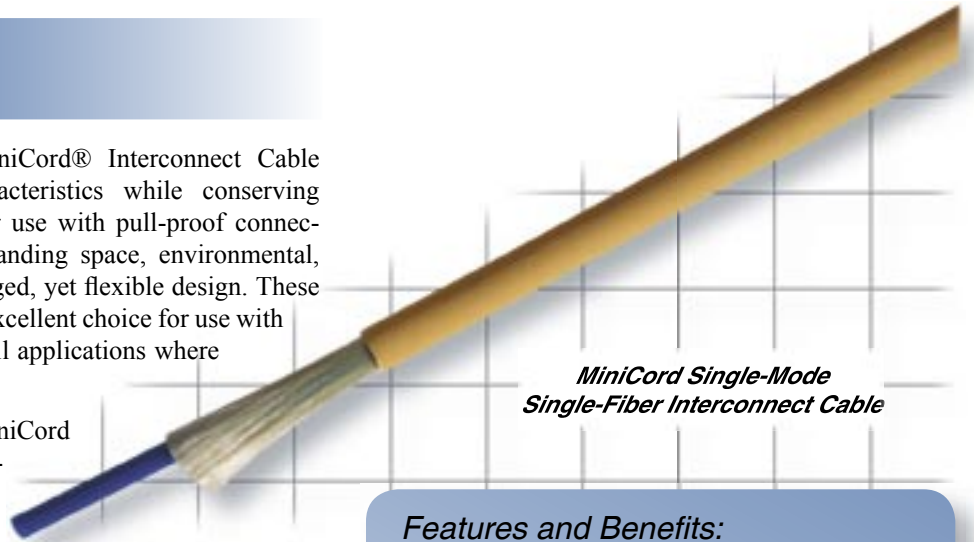


## Small, Flexible, and Flame-Retardant Interconnect Cable Saves On Valuable Space

### Product Description

The Single-Mode, Single-Fiber MiniCord® Interconnect Cable offers optimal transmission characteristics while conserving routing space. Specifically designed for use with pull-proof connectors, this interconnect cable meets demanding space, environmental, and configuration challenges with its rugged, yet flexible design. These features make this interconnect cable an excellent choice for use with high-density LGX frames, shelves, and all applications where space is limited.

The construction of the Single-Fiber MiniCord Interconnect Cable begins with high-quality, 900 micron tight buffered fiber. The buffered fiber is then surrounded by strong aramid yarn and wrapped in a rugged, flame-retardant PVC jacket.



*MiniCord Single-Mode  
Single-Fiber Interconnect Cable*

### Why the Single-Fiber MiniCord Interconnect Cable?

The Single-Mode, Single-Fiber MiniCord Interconnect Cable provides an extremely small diameter (1.6 mm) and great flexibility in areas where space is at a premium and installation is difficult. This interconnect cable can withstand a bend to a radius of 1.0 inch (2.5 cm) during moderate pulling installation and permanent placement. This flexibility and strength allow the interconnect cable to withstand the rigors of high-activity environments including frequent network infrastructure modifications.

Specifically designed for pull-proof connectors, including LC and SC connectors, the patented dual-layer tight buffer design allows easy cable stripping without removing the protective fiber coating. The high modulus, nylon tight buffer also offers excellent microbend resistance.

The Single-Fiber MiniCord Interconnect Cable's flame and smoke characteristics meet rigorous international standards. The interconnect cable is low smoke and flame retardant, tested according to UL 1585 and UL 1666. It is also UL Listed for OFNR and is certified by the Canadian Standards Association (CSA) for OFN FT4. In addition, the MiniCord Interconnect Cable meets or exceeds standards for LAN, premises, or intra-building cables, including Telcordia Technologies, ANSI-FDDI, and ICEA.

### Features and Benefits:

- Designed for use with pull-proof connectors, including LC and SC designs
- Small diameter saves valuable routing space
- Rugged, yet flexible construction allows easy handling and installation with excellent performance
- Patented dual-layer tight buffer design for easy stripping without fiber coating removal
- High modulus, nylon tight buffer for excellent microbend resistance
- Ease of installation helps ensure network integrity while saving on labor and equipment costs
- Suitable for use in the central office or equipment room in applications requiring field connectorization
- UL Listed as OFNR and meets NEC, Telcordia, ANSI-FDDI, and ICEA Standards
- Available with OFS application-specific fibers including AllWave® and TrueWave® fibers.

**Specifications:**

**Fiber Count:** 1

Outside Diameter: 1.6 mm (0.063 in.)

Cable Weight: 2.46 kg/km (0.17 lb/100 ft.)

Interconnect Cable Minimum Bend Radius After Installation: 3.8 cm (1.5 in.)

Interconnect Cable Minimum Bend Radius During Installation: 2.5 cm (1.0 in.)

Tensile Rating: 355 N (80 lb.)

**Temperature:**

Operating: -20°C to 85°C (-4°F to 185°F) (0 dB added loss)  
 -40°C to 85°C (-40°F to 185°F) (≤ 0.3 dB added loss)

Installation: 0°C to 40°C (32°F to 104°F)

Storage: -40°C to 70°C (-40°F to 158°F)

**Normal Fiber Dimensions:**

All Fiber Types:	Clad	Coating	Buffering
	125 µm	245 µm	900 µm
	Mode Field Diameter @ 1550 nm		
Bend Insensitive*:	9.7 ± 0.6 µm		
AllWave Certified:	9.7 ± 0.6 µm		
AllWave:	10.4 ± 0.6 µm		
TrueWave:	8.4 ± 0.6 µm		

**Performance Specification:**

All MiniCord Interconnect Cables are tested and qualified in accordance with the industry standards TIA/EIA 455 and IEC60794. Riser MiniCord Low Smoke Interconnect Cables are compliant with Telcordia GR-409, ICEA-85-596, NEC 770, NEC type-DP, ANSI-FDDI, IEEE 802(s), ISO/IEC-11801, TIA 568, TIA 598, ANSI-X3(s), Fiber Channel and HIPPI.

**Buffered Fiber Minimum Bend Radius:**

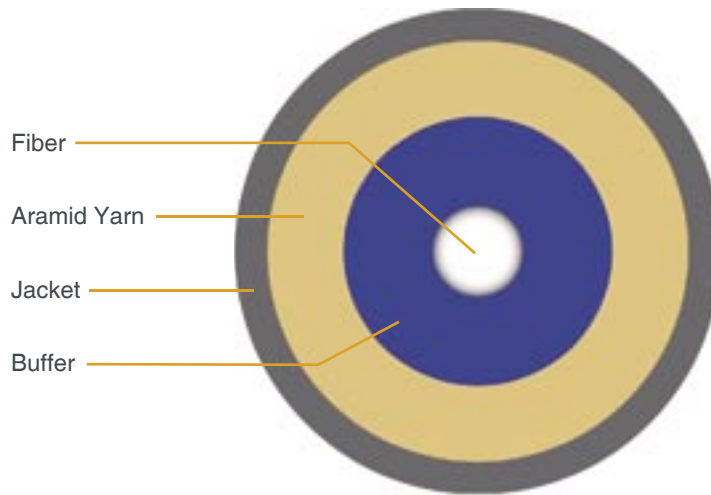
Fiber Type	Bend Radius
Bend Insensitive*:	1.9 cm (0.75 in.)
AllWave Certified:	1.9 cm (0.75 in.)
AllWave:	2.55 cm (1.0 in.)
TrueWave:	1.9 cm (0.75 in.)

**Fire Rating:** Riser

**Single-Mode Attenuation:**

	1310 nm (dB/km)		1383 nm (dB/km)		1550 nm (dB/km)	
	Typical	Maximum	Typical	Maximum	Typical	Maximum
Bend Insensitive*:	0.33	0.4	–	–	0.25	0.3
AllWave Certified:	0.33	0.4	0.5	1.0	0.25	0.3
AllWave:	0.5	1.0	0.5	1.0	0.4	0.75
TrueWave:	0.33	0.4	–	–	0.25	0.3

\* OFS Bend Insensitive Fiber is specifically designed for WDM applications.



***MiniCord Single-Mode Single-Fiber Interconnect Cable Cross-Section***

**Ordering Information:**

<b>MiniCord Type</b>	<b>Product Code</b>	<b>Comcode</b>
Bend Insensitive* Single-Mode	MC-001C-SRX	108833963
Bend Insensitive* Single-Mode MiniCord, Low Smoke/Zero Halogen	MC-001C-SHX	109050732
AllWave Certified	MC-001C-CRX	108834284
TrueWave RS	MC-001C-TRX	108834193
AllWave	MC-001C-ARX	108834268

The MiniCords are designed for LC, STII+, & SC connectors, but may be used with all connectors.

\* OFS Bend Insensitive Fiber is specifically designed for WDM applications.

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-888-fiberhelp.

AllWave, MiniCord and TrueWave are registered trademarks of Furukawa Electric North America.

OFS reserves the right to make changes to the prices and product(s) described in this document in the interest of improving internal design, operational function, and/or reliability. OFS does not assume any liability that may occur due to the use or application of the product(s) and/or circuit layout(s) described herein.

This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.

Copyright © 2004 Furukawa Electric North America  
All rights reserved, printed in USA.

OFS  
Marketing Communications  
prem-116-0204



Leading Optical Innovations