

# Mini C2™ Cable



A Furukawa Company

## Compact and Durable Cable Can Help Minimize Deployment Costs for Your Last Optical Link

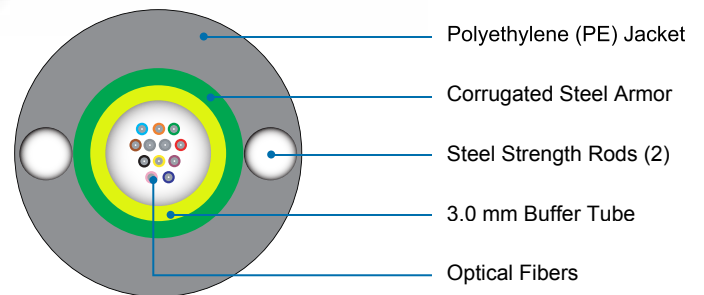
### Product Description

The Mini C2™ Cable is size-optimized for a maximum of 12 fibers to help minimize deployment costs. This small and lightweight, yet highly durable cable offers easy installation and handling while providing additional protection in the demanding outside plant (OSP) environment.

To construct the Mini C2 Cable, one to twelve optical fibers are placed within a 3 mm gel-filled central tube. An overlapping layer of electrolytically chrome-coated, corrugated steel (ECCS) armor then envelops the central tube. Two steel strength rods are next placed lengthwise along the armor, diametrically positioned to each other, to provide extra compressive strength. Finally, a durable polyethylene (PE) jacket is added to help provide protection in the rigorous OSP environment.



Mini C2 Cable



Mini C2 Cable Cross-Section

### Why the Mini C2 Cable?

The small size and light weight of the Mini C2 Cable offers a more cost-effective, efficient solution for the smaller fiber counts that are needed in the last optical link of your network. Suitable for underground conduit and demanding direct buried applications, this cable offers excellent optical, mechanical and environmental performance in a compact design that remains easy to handle and install.

#### Features and Benefits:

- Optimized for fiber counts up to 12 for reduced deployment costs
- Small diameter and lightweight design for easy handling and installation
- 600-pound (2700 N) Maximum Rated Cable Load (MRCL)
- Ease of location following installation
- Quick fiber access with standard tooling
- Corrugated ECCS armor and steel strength rods for added durability and compressive strength
- RDUP (formerly RUS) listed; complies with Telcordia Technologies GR-20 specifications for reliable performance
- Standard availability with AllWave® Zero Water Peak (ZWP) Single-Mode, TrueWave® RS Low Water Peak (LWP), and Multimode Fibers

## Specifications

Fiber Count	1-12
Cable Outer Diameter – in. (mm)	0.38 (9.7)
Cable Weight – lb/kft (kg/km)	74.6 (111)

Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 2

Minimum Bend Radius, With Load:	15 x OD*
Minimum Bend Radius, With No Load:	10 x OD
Minimum Bend Radius, Storage Coils:	10 x OD
Maximum Rated Cable Load (MRCL):	600 lbf (2700 N)
Maximum Long Term Load:	180 lbf (800 N)
Temperature:	Installation: -30° C to 60° C (-22° F to 140° F) Operation: -60° C to 70° C (-76° F to 158° F) Storage: -40° C to 75° C (-40° F to 167° F)

\* Note: OD = Outer Diameter of Cable

## Mini C2 Cable Ordering Information

Example: **AT-3BEQ2BT-NNN<sup>1</sup>**

Part Number: AT-		Fiber <sup>2</sup>	Sheath	Core	Fiber Count
		<u>S1</u> <u>S2</u> <u>SF</u>	<u>S3</u> <u>S4</u>	<u>S5</u> <u>S6</u>	- <u>NNN</u>
<b>S1 = Fiber Selection</b>		<b>SF = Fiber Type</b>		<b>S5 = Core Type</b>	
3 = 1310/1550 nm (AllWave® ZWP Fiber)		E = AllWave ZWP		B = DryBlock® Loose Tube (3.0 mm tube)	
6 = 1550 nm (TrueWave® RS LWP Fiber)		6 = TrueWave RS LWP			
R = 850/1300 nm (Multimode Fiber)		9 = 62.5/125 µm Multimode		<b>S6 = Fibers Per Tube</b>	
		2 = 50/125 µm Multimode		T = 12 Fibers	
<b>S2 = Fiber Transmission Performance</b>		<b>S3 = Sheath Construction</b>		<b>NNN = Fiber Count = 001 to 012</b>	
B = 0.35/0.31/0.27/0.25/0.27 dB/km @		Q = Mini C2			
1310/1385/1490/1550/1625 nm (AllWave ZWP)		<b>S4 = Tensile Load</b>			
2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP)		2 = 600 lb (2700 N)			
U = 3.4/1.0 dB/km and 200/500 MHz-km @					
850/1300 nm (62.5 µm Multimode)					
K = 2.5/0.7 dB/km and 500/500 MHz-km @					
850/1300 nm (50 µm Multimode)					

<sup>1</sup> Part Number shown is for standard AllWave ZWP attenuation and standard cable print:  
 Maximum AllWave ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km (1310/1385/1490/1550/1625 nm)  
 Standard Print, example (Mini C2 Cable):  
**OFS OPTICAL CABLE AT-3BEQ2BT-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]**

<sup>2</sup> Contact OFS Order Management for information on other cable variations, including additional fiber types, attenuation, and custom cable print.



Use electronic files, available at:  
[www.ofsoptics.com](http://www.ofsoptics.com) - Use less paper

AllWave, DryBlock and TrueWave are registered trademarks and Mini C2 is a trademark of OFS FITEL, LLC.

For additional information please contact your sales representative. You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice.

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 © 2009 OFS FITEL, LLC.  
 All rights reserved, printed in USA.

OFS  
 Marketing Communications  
 osp-135-1209



A Furukawa Company

