

Mini LT Cable

Flat Drop



A Furukawa Company

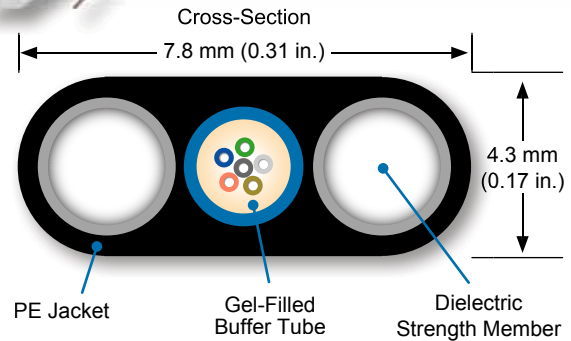
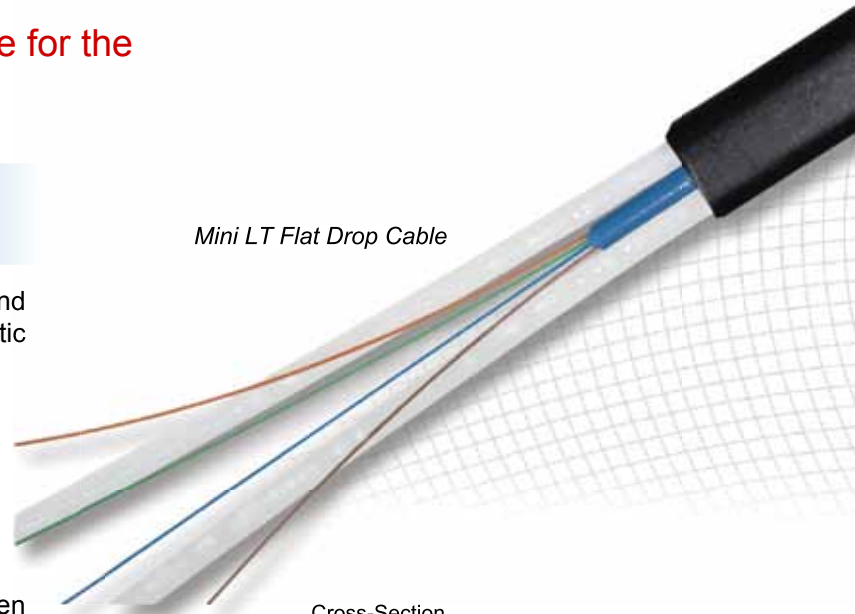
Compact and Easy-to-Access Fiber Cable for the Last Link in Your Optical FTTX Network

Product Description

The Mini LT Flat Drop Cable offers a compact and lightweight yet durable, self-supporting fiber optic design in an easily accessible construction.

To construct the cable, up to 12 optical fibers are placed in a 2.0 mm gel-filled buffer tube to create a flexible and easy-to-access core. Next, two fiberglass rods are placed diametrically opposite on either side of the fiber core, providing excellent crush resistance and tensile strength during installation and over the lifetime of the cable. The strength member rods and fiber core are then encapsulated in a durable polyethylene (PE) jacket to create a flat cable cross-section and provide added protection to the cable core.

Mini LT Flat Drop Cable



Why the Mini LT Flat Drop Cable?

The small, lightweight Mini LT Flat Drop Cable offers an ideal solution for the smaller fiber counts that are needed in the final sections of an optical network, particularly in a fiber-to-the-premise (FTTX) installation. The buffer tube fiber core allows easy access in a flexible design that is easy to handle and install.

The rugged, flat construction of the Mini LT Cable is specifically designed for self-supporting aerial deployments and is fully compatible with the type of aerial hardware shown on the reverse page, allowing faster, lower cost installations. The superior crush resistance and durability of the Mini LT Cable make it robust enough for below-grade installations in ducts or open trenches.

The all-dielectric Mini LT Flat Drop Cable helps to save money by eliminating the need for expensive bonding or grounding.

Features and Benefits

- Compact, easy-to-access design allows for streamlined installation and handling
- Suitable for self-supporting aerial, direct buried, and duct FTTX drop installations
- Compatible with industry-standard wedge clamps and closure strain reliefs
- Excellent tensile strength and crush-resistance
- Optimized for fiber counts of 1, 2, 4, 6, and 12 for minimizing deployment costs
- All-dielectric construction eliminates the need for bonding or grounding
- 300 pound Maximum Rated Cable Load (MRCL)
- Standard availability with AllWave® Zero Water Peak (ZWP) Single-Mode, TrueWave® RS Low Water Peak (LWP) Single-Mode, and Multimode Fibers. AllWave FLEX ZWP Fiber available as an option
- RDUP (formerly RUS) listed and compliant with ANSI/ICEA, Telcordia, and IEC specifications for reliable performance.

Also available with:



See reverse page for ordering details.

Specifications

Fiber Count	1, 2, 4, 6, and 12
Cable Dimensions	0.17 in. x 0.31 in. (4.3 mm x 7.8 mm)
Cable Weight	21 lb/kft (32 kg/km)

Performance Standard

Tested per Applicable Requirements of ANSI/ICEA S-110-717

Handling

Minimum Bend Radius, With Load	6 in. (15 cm)
Minimum Bend Radius, With No Load	3 in. (7.5 cm)
Minimum Bend Radius, Storage Coils	6 in. (15 cm)
Maximum Rated Cable Load (MRCL)	300 lbf (1335 N)
Maximum Long Term Load	150 lbf (667 N)
Temperature:	Installation: -22° F to 140° F (-30° C to 60° C) Operation: -40° F to 158° F (-40° C to 70° C) Storage: -40° F to 167° F (-40° C to 75° C)

Aerial Span Information

Storm Loading Region	1% Midspan Sag at Installation		3% Midspan Sag at Installation	
	Max Span	Installation Tension	Max Span	Installation Tension
Heavy	140 ft.	42 lbf.	175 ft.	18 lbf.
Medium	260 ft.	78 lbf.	350 ft.	35 lbf.
Light	290 ft.	87 lbf.	400 ft.	40 lbf.



Diamond/Sachs drop wire clamp (aluminum 1-2 pair, serrated shim)

Mini LT Flat Drop Cable Ordering Information

Example: **AT-3BE8T7X-NNN**¹

Part Number: AT-		Fiber ²	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>
S1 = Fiber Selection	S2 = Fiber Transmission Performance				
3 = 1310/1550 nm (AllWave® ZWP Fiber)	B = 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm (AllWave ZWP and AllWave FLEX ZWP)				
5 = 1310/1550 nm (AllWave FLEX ZWP Fiber)	2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP)				
6 = 1550 nm (TrueWave® RS LWP Fiber)	U = 3.4/1.0 dB/km and 200/500 MHz-km @ 850/1300 nm (62.5 µm Multimode)				
8 = 850/1300 nm (Multimode Fiber)	K = 2.5/0.7 dB/km and 500/500 MHz-km @ 850/1300 nm (50 µm Multimode)				
SF = Fiber Type²	S3 = Sheath Construction		S4 = Central Core Design		
E = AllWave ZWP	8 = All Central Core Products		T = Gel-Filled 2.0 mm Buffer Tube		
6 = TrueWave RS LWP					
9 = 62.5/125 µm Multimode					
2 = 50/125 µm Multimode					
S5 = Sheath Design	S6 = Central Core - Oversheath		NNN = Fiber Count = 1, 2, 4, 6, or 12		
7 = Flat Drop	X = No Oversheath				

¹ 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 for Mini LT Flat Drop Cable:

OFS OPTICAL CABLE AT-3BE8T7X-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]

² 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 - Use less paper

AllWave and TrueWave are registered trademarks of OFS FITEL, LLC.

For additional information please contact your sales representative. You can also visit our website at 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 © 2010 OFS FITEL, LLC.
All rights reserved, printed in USA.

OFS
Marketing Communications
osp-142-0410



A Furukawa Company