

Mini LT Flat Drop Cable

Toneable



A Furukawa Company

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

Product Description

The OFS Toneable Mini LT Flat Drop Cable offers a compact, durable, and easy-to-locate fiber solution in a readily accessible construction. The cable's webbed design allows the locating wire to be easily separated from the main cable sheath by hand, providing simple, rapid routing and grounding of the locating wire.

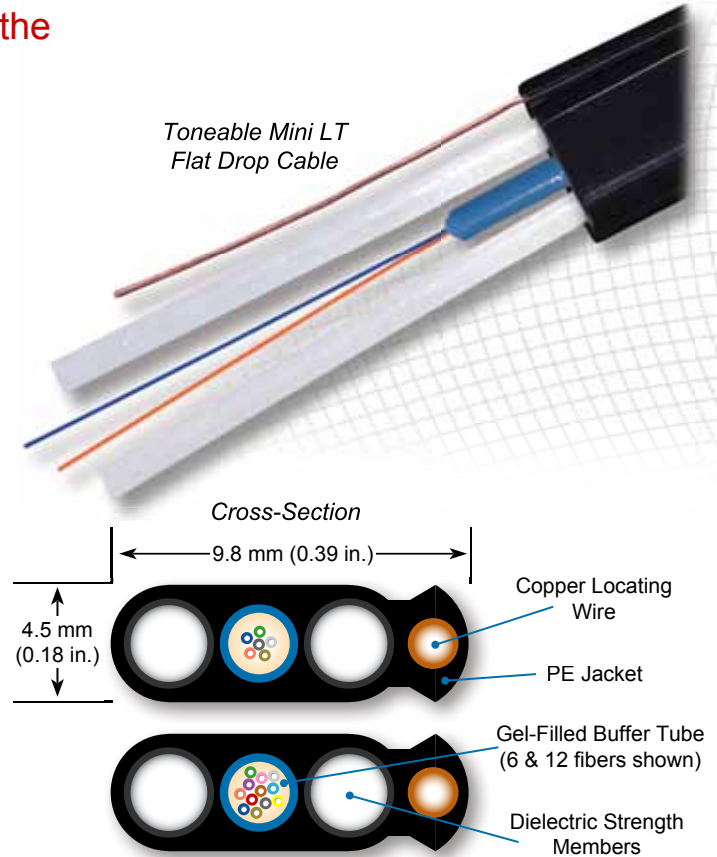
To construct the cable, up to 12 optical fibers are placed in a 2.0 mm gel-filled buffer tube to create a flexible, easy-to-access core. Next, two fiberglass rods are placed diametrically opposite on either side of the fiber core, providing excellent crush resistance and tensile strength during installation and over the lifetime of the cable. A 24 AWG copper wire is aligned along the outside edge of one of the fiberglass rods to provide locatability. The locating wire, strength member rods, and fiber core are then encapsulated in a durable polyethylene (PE) jacket to create a flat cable cross section and lend added protection to the cable core. Between the locating wire and the adjacent fiberglass rod, the jacket forms a thin web that is easily separated by hand, allowing quick removal of the copper wire from the main sheath.

Why the Toneable Mini LT Flat Drop Cable?

Find It! Designed specifically for your below-grade installations, in ducts or open trenches, the Toneable Mini LT Flat Drop Cable provides locatability and easy handling. The buffer tube fiber core offers fast access with a familiar, easy-to-handle design. Leveraging the same proven sheath design of OFS' aerial, all-dielectric Mini LT Flat Drop Cable, the Toneable Mini LT Flat Drop Cable adds an easily separable 24 AWG copper wire. This toning wire is compatible with commercial outside plant (OSP) cable locating equipment, and is easily peeled away from the main cable sheath at termination points so that the wire can be routed to a grounding point inside or outside the network terminal or cable closure. Minimizing the effort required to bond and ground the toning wire is key to reducing labor in the field, and the removal of the wire can

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Features and Benefits

- Easily removable copper wire allows fast cable location while facilitating bonding and grounding
- Compact, easy-to-access cable provides streamlined installation and handling
- Suitable for direct buried and duct FTTX drop installations, as well as aerial self-supporting applications
- Optimized for fiber counts of 1, 2, 4, 6, and 12 for minimizing deployment costs
- 300 pound (1335 N) rated installation load
- RDUP (formerly RUS) listed and compliant with ANSI/ICEA, Telcordia, and IEC specifications for reliable performance
- Standard availability with AllWave® Zero Water Peak (ZWP) Fiber. AllWave FLEX ZWP Fiber available as an option

Also available with:

AllWave® FLEX Fiber
Zero Water Peak

See reverse page for ordering details.

osp-143-0410

be easily done by hand, without special tools. In addition, the Toneable Mini LT Cable's webbed outer jacket is specifically designed to ensure that the removal of

the toning wire does not compromise the main sheath. The result is a durable, easy-to-locate and handle cable solution for the last link in your FTTX deployment.

Toneable Mini LT Flat Drop Cable Ordering Information

Example: **AT-3BE8T7T-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)		
R = 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	E = AllWave ZWP	8 = All Central Core Products	S4 = Central Core Design	
6 = TrueWave RS LWP		9 = 62.5/125 µm Multimode		T = Gel-Filled 2.0 mm Buffer Tube	
2 = 50/125 µm Multimode					
S5 = Sheath Design	S6 = Central Core - Oversheath	7 = Flat Drop	T = Toneable	NNN = Fiber Count = 1, 2, 4, 6, or 12	

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 Toneable Mini LT Flat Drop Cable:

OFS OPTICAL CABLE AT-3BE8T7T-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.

Specifications

Fiber Count	1, 2, 4, 6, and 12
Cable Dimensions	0.18 in. x 0.39 in. (4.5 mm x 9.8 mm)
Cable Weight (kg/km)	33 lb/kft (43 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	125 ft	52 lbf	160 ft	22 lbf
Medium	225 ft	93 lbf	305 ft	42 lbf
Light	225 ft	93 lbf	305 ft	42 lbf



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