Mini LT Drop Cable

Toneable
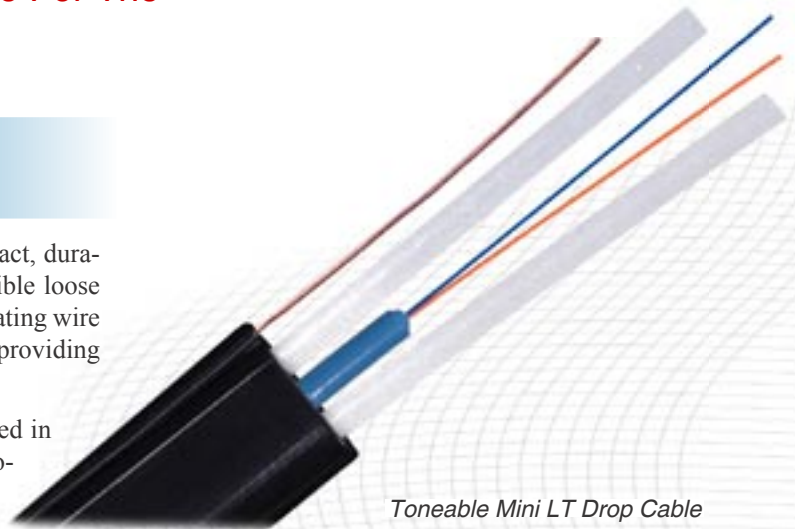
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Leading Optical Innovations

Compact and Easy-to-Locate Fiber Cable For The Last Link In Your Optical FTTx Network

Product Description

The OFS Toneable Mini LT Drop Cable offers a compact, durable, and easy-to-locate fiber cable in a readily accessible loose tube 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 core, up to 12 optical fibers are placed in a 2.0 mm gel-filled buffer tube to create a flexible, easy-to-access loose tube 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, rods, and fiber core are then encapsulated in a durable polyethylene 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.
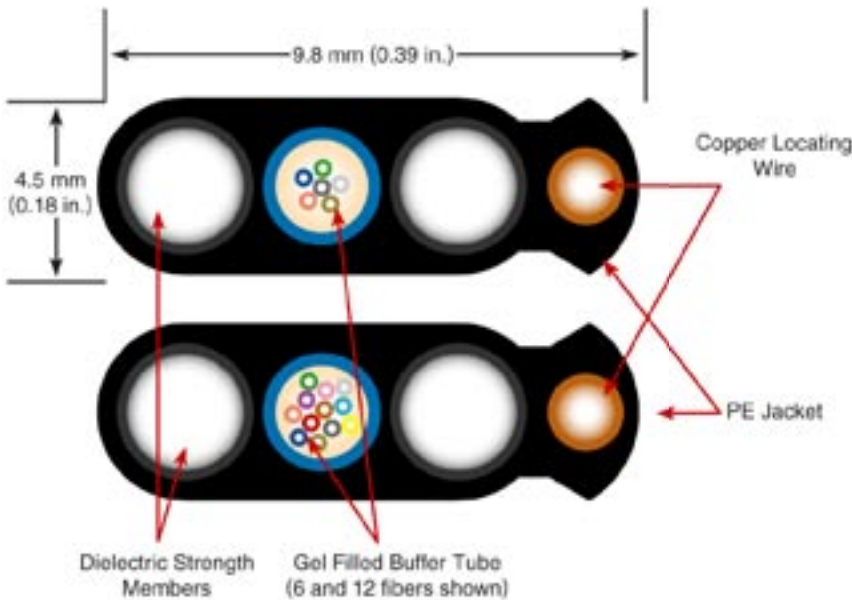
Toneable Mini LT Drop Cable

Why the Toneable Mini LT Drop Cable?

Find It! Designed specifically for your below-grade installations, in ducts or open trenches, the Toneable Mini LT Drop Cable provides locatability and easy handling. The loose tube core offers fast access with a familiar, easy-to-handle design. Leveraging the same proven sheath design of OFS' aerial, all-dielectric Mini LT Drop Cable, the Toneable Mini LT Drop Cable adds an easily separable 24 AWG copper wire. This 24 AWG 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 toning wire can 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.

Features and Benefits:

- Easily removable copper wire allows fast cable location while facilitating bonding and grounding
- Compact, easy-to-access cable provides easy 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 (formerly Bellcore), and IEC specifications for reliable performance
- Standard availability with OFS AllWave® Zero Water Peak (ZWP) Fiber

Copper Locating Wire

PE Jacket

Dielectric Strength Members

Gel Filled Buffer Tube (6 and 12 fibers shown)

9.8 mm (0.39 in.)

4.5 mm (0.18 in.)

Technical Information

Specifications	
Fiber Count	1, 2, 4, 6, and 12
Cable Dimensions	4.5 mm x 9.8 mm (0.18 in. x 0.39 in.)
Cable Weight (kg/km)	43 kg/km (33 lb/kft)

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

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

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

Ordering Information

Fiber Type	Cable Code
AllWave ZWP Single-Mode Fiber*	**AT-3BE8T7T-**NNN Where: NNN = Fiber count (001, 002, 004, 006, or 012)
* Contact OFS for information on other fiber types.	
Also available: OFS' Mini LT Drop Cable, an all-dielectric, self-supporting cable. Contact your sales representative for details.	

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 is a registered trademark of Furukawa Electric North America.

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