

Armored Loose Tube Fiber Optic Cable

Double Jacket, Single Armor cable delivers outstanding compressive strength and rodent resistance for an exceptionally durable and reliable outside plant cabling solution.



Product Overview

Armored loose tube fiber optic cable offers a highly durable, reliable cabling solution for a wide range of demanding outside plant applications, including direct buried in harsh environments. Corrugated steel armor teams with two rugged medium-density polyethylene (MDPE) jackets to deliver the muscle and rodent resistance needed for tough outside plant use, all in a cable that remains lightweight and easy to install.

Applications

- Demanding direct burials
- Duct
- Lashed aerial
- Installations requiring added compressive strength
- Applications needing extra rodent resistance

Design

Armored cable delivers outstanding long-term performance and reliability through our field-proven loose tube design and construction. With this design, 1 to 12 optical fibers are placed within color-coded, gel-filled buffer tubes to protect the fibers from environmental and mechanical forces – creating a stress-free operating environment within the cable's designed load and temperature rating. Next, the buffer tubes are stranded

around a dielectric or metallic central member using the reverse oscillating lay (ROL) stranding method. Unlike other stranding techniques, ROL enables fast mid-span entry. Water-blocking material and dielectric strength elements are then applied to the cable core. Finally, a single layer of corrugated steel armor is placed between two layers of durable polyethylene sheathing to complete the cable construction.

Features

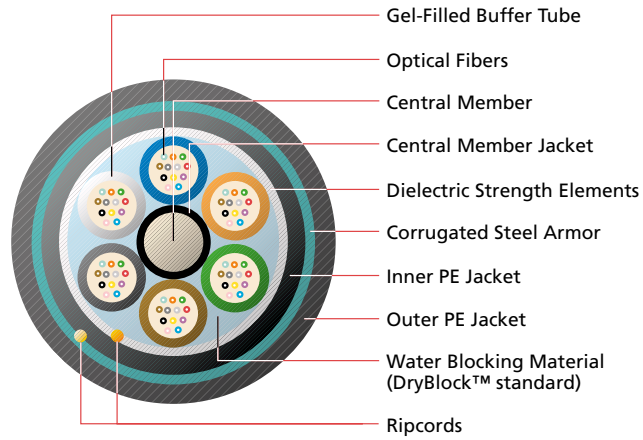
- Fiber counts to 288 (up to 432 available in 24 fibers per tube; up to 864 available in AccuTube™)
- Wide range of fiber types for the performance you need
- Composite (mix of fiber types) and hybrid (fiber/copper) cable designs available for special applications
- DryBlock™ water-blocking technology for a more craft-friendly, jelly-free cable core
- PE coated electrolytically chrome-sheathed steel (ECCS) armor
- HDPE jacket available on request

Benefits

- Enhanced compressive strength and rodent resistance
- DryBlock cable design for reduced cable prep and splicing time
- RUS listed
- Meets Telcordia Technologies GR-20 standards; exceeds Telcordia Technologies GR-20 category 1 for lightning resistance
- ROL stranding and ripcords for fast mid-span entry
- ISO 9001 and ISO 14001 certified manufacturer; TL 9000 registered quality management system

Key Specifications

- Minimum Bend Radius 15x cable outer diameter during installation; 10x cable outer diameter post installation
- Operating Temperature Range
-40° F to 158° F (-40° C to 70° C)
-60° F to 158° F (-60° C to 70° C)*
*Available on customer request
- Cable diameter tolerance typically within 5% of nominal



Ordering Information

Select one character from each category to construct the product part number:

	Fiber			Sheath		Core		Fiber Count			
	S1	S2	SF	S3	S4	S5	S6				
AT -	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>
	002 to 288										

S1 – Select Fiber Transmission Performance

- 3** = 1310/1550 nm (AllWave®)
- 6** = 1550 nm (TrueWave® RS Singlemode)
- R** = 850/1300 nm (Multimode)

S2 – Select Maximum Fiber Attenuation

- B** = 0.35/0.25 dB/km (1310/1550 nm AllWave)
- 4** = 0.40/0.30 dB/km (1310/1550 nm AllWave)
- 2** = 0.25 dB/km (TrueWave RS Singlemode)
- U** = 3.4/1.0 dB/km and 200/500 MHz-km (850/1300 nm Multimode)
- G** = 2.4/0.7 dB/km and 500/900 MHz-km (850/1300 nm 50µm Multimode)

SF – Select Fiber Type

- E** = AllWave® Matched Clad Singlemode
- 6** = TrueWave® RS Nonzero-Dispersion Singlemode
- 9** = 62.5/125µm Multimode
- 2** = 50/125µm Multimode

S3 – Select Central Member Construction

- N** = Dielectric Central Member
- K** = Metallic Central Member

S4 – Select Tensile Load

- 2** = 600 lb. (2700 N)

S5 – Select Core Type

- T** = DryBlock™ (Enhanced)
- D** = DryBlock™
- F** = Flooded (Enhanced)
- L** = Flooded

S6 – Select Fibers Per Tube

- 2** = 2 fibers **8** = 8 fibers
- 4** = 4 fibers **N** = 10 fibers
- 6** = 6 fibers **T** = 12 fibers

Example: AT-34EN2TT-072 = 72 Fiber Armored DryBlock Dielectric Central Member AllWave Singlemode Fiber

Please contact us for additional fiber and cable options.



For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-800-366-3483 or 1-888-fiberhelp.

www.ofsoptics.com

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