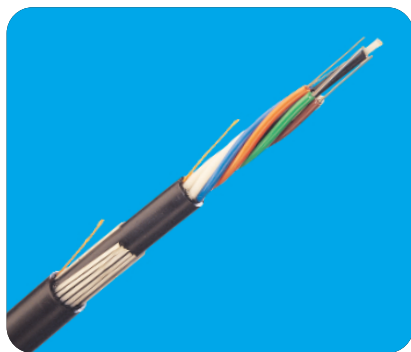


Double Jacket Loose Tube Fiber Optic Cable

Double Jacket cable combines flexibility with extra mechanical protection for a durable, reliable cabling solution that is easy to handle and install.



Product Overview

Double Jacket loose tube fiber optic cable is an excellent choice for applications requiring the added mechanical and environmental protection of two durable medium-density polyethylene (MDPE) jackets. This small-diameter cable is lightweight and flexible enough for duct and lashed aerial use, yet robust enough to meet the challenges of the outdoors for general outside plant use.

Applications

- Duct or duct-to-lashed aerial
- Lashed aerial
- General outside plant

Design

Double Jacket cable's outstanding long-term performance and reliability begins with our field-proven loose tube design. With this design, 1 to 12 optical fibers are placed within color-coded, gel-filled buffer tubes to protect the fibers from external forces – creating a stress-free operating environment within the cable's designed load and temperature rating. The buffer tubes are stranded around a dielectric or metallic central

member using the reverse oscillating lay (ROL) stranding technique. Unlike other stranding methods, ROL enables quick and easy mid-span entry. Water-blocking material and an inner polyethylene jacket are then applied to the cable core for added protection. Finally, dielectric strength elements, additional water-blocking material, and a durable outer polyethylene jacket complete the cable construction.

Features

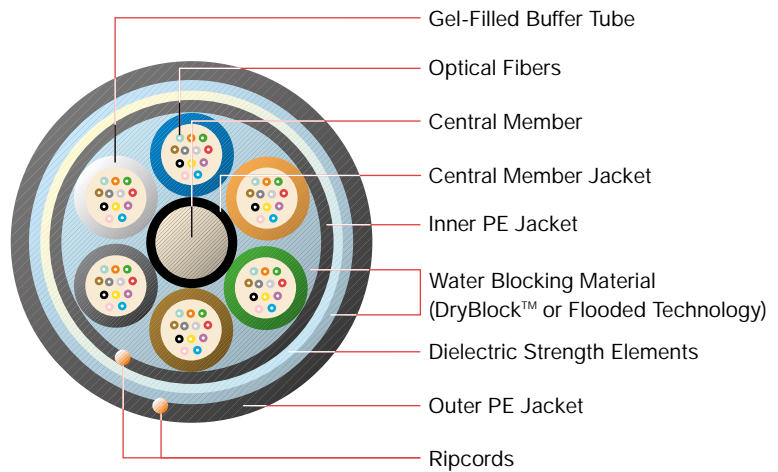
- Fiber counts to 288
- Inner polyethylene jacket for added protection
- Wide range of fiber types for the performance you need
- Hybrid (fiber/copper) and composite (mix of fiber types) cable designs available for special applications
- Dual ripcords for fast sheath removal
- HDPE jacket available on request

Benefits

- Two rugged polyethylene jackets deliver extra mechanical protection
- Small diameter for ease of handling
- Lightweight, flexible, and easy to install, yet highly durable and reliable
- Meets Telcordia Technologies specifications
- 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) or **G** = 2.4/0.7 dB/km and 500/900 MHz-km (850/1300 nm 50um Multimode)

SF - Select Fiber Type

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

S3 - Select Central Member Construction

- 2** = Dielectric Central Member
- E** = 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-34E22DT-048 = 48 Fiber Double Jacket 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 phone 1-888-fiberhelp.

www.ofsoptics.com

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