

Lose the Gel!

Cleaner, Easier Installations with Completely Dry Cable

Product Description

OFS Fortex™ DT Loose Tube Cable delivers the rugged durability and reliability essential for outside plant use in an innovative, completely dry cable design.

Unlike traditional outside plant (OSP) fiber optic cables that use gels in direct contact with optical fibers, the Fortex DT Cable replaces gels with a specially-engineered, super-absorbent yarn in each buffer tube that provides water blocking “on demand”. By eliminating messy gels and filling compounds inside the buffer tubes, Fortex DT Cable offers almost effortless splice preparation and a lower overall cable weight. Why not lose the gel today?

In addition to being completely gel free, Fortex DT Cables also offer the same high-performance features as OFS’ traditional loose tube cables. Our 2.5 mm buffer tubes – among the smallest standard buffer tubes in the industry – create far less bulk to be stored in closures and pedestals. Smaller, more flexible buffer tubes also coil more easily and into tighter diameters. The Reverse Oscillating Lay (ROL) stranding of the buffer tubes enables easy mid-span access and cable entry.

Available in all-dielectric and armored constructions, this cable is suitable for a broad range of outside plant applications, including duct, lashed aerial, and direct buried deployments. Fortex DT Cables are RUS listed and meet the industry requirements of ANSI/ICEA S-87-640-1999, Telcordia (formerly Bellcore) GR-20-CORE, Issue 2, and RUS PE-90.

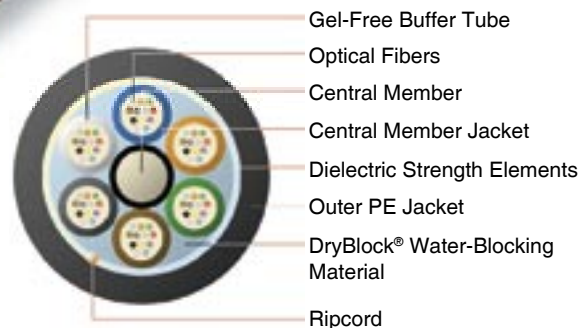
Why the Fortex DT Cable?

As the industry’s first 100%¹ dry loose tube cable to meet the water-blocking requirements of ANSI/ICEA and Telcordia OSP cable standards, the Fortex DT Cable offers all the benefits of a standard loose tube cable plus it’s completely dry – even inside the buffer tubes! With Fortex DT Cable, there are no gels, oils or sticky gooey stuff to collect dirt, make floors slippery, or to ruin your clothes. By selecting Fortex DT Cables, your tools, workspace, closures, and cabinets all stay cleaner. In addition, dry cables are lighter in weight making them easier to handle and less of a load on your crew and on your aerial plant infrastructure.

1) “100% dry” indicates that no oils, gels, or flooding compounds are used to block water penetration in the fiber optic cable sheath or core.



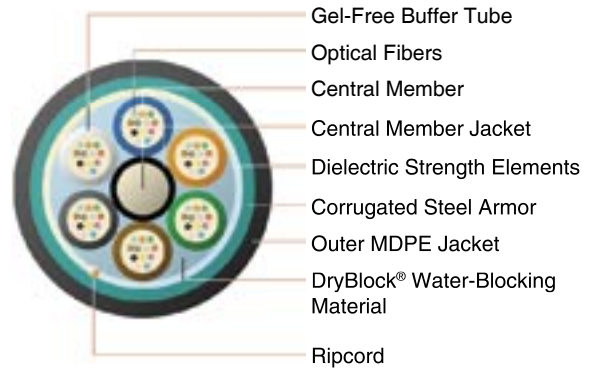
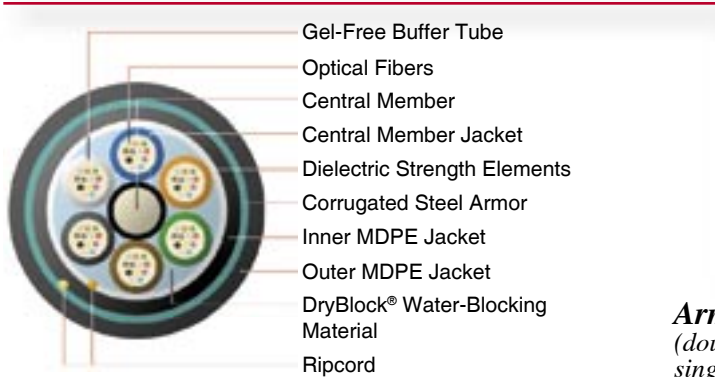
Fortex™ DT Single Jacket Loose Tube Cable



Features and Benefits:

- Totally dry, gel-free cable design for cleaner, faster installations
- Highly durable and reliable for outside plant lashed aerial, duct, and direct buried installations
- Smaller buffer tubes for easier installation and routing
- ROL stranding for easy mid-span entry
- Up to 288 fibers
- High-density polyethylene (HDPE) jacket available on request
- RUS listed and compliant with ANSI/ICEA, Telcordia (formerly Bellcore), and IEC specifications for reliable performance
- Available with OFS AllWave® Zero Water Peak (ZWP) Single-Mode Fiber, as well as TrueWave® and multimode fibers.

Light Armor (single-jacket, single armor): A corrugated electrolytically chrome-coated steel (ECCS) tape is applied lengthwise over the cable core and covered with an MDPE jacket.



Armored (double-jacket, single armor): An inner MDPE jacket is applied over the cable core followed by a layer of corrugated ECCS tape and a final outer MDPE jacket.

Technical and Ordering Information:

Specifications			
	Single Jacket	Light Armor	Armored
Fiber Count	2 to 288	2 to 288	2 to 288
Cable Outside Diameter – mm (in.)	10.6 to 19.3	12.1 to 20.3	14.4 to 23.5
Cable Weight – kg/km (lb/kft)	85 to 277	147 to 381	197 to 468
Performance Standard			
Tested per Applicable Requirements of ANSI/ICEA S-87-640/Telcordia (formerly Bellcore) GR-20-CORE, Issue 2			
Handling			
Minimum Bend Diameter, With Load	30 x D (D = Outside Diameter of Cable)		
Minimum Bend Diameter, With No Load	20 x D (D = Outside Diameter of Cable)		
Minimum Bend Diameter, Storage Coils	20 x D (D = Outside Diameter of Cable)		
Maximum Rated Cable Load (MRCL)	2700 N (600 lbf)		
Maximum Long-Term Load	800 N (180 lbf)		
Temperature	Installation: -30°C to 60°C (-22°F to 140°F) Operation: -60°C to 70°C (-76°F to 158°F) Storage: -40°C to 75°C (-40°F to 167°F)		
Ordering Information			
Fiber Type	Single Jacket	Light Armor	Armored
AllWave ZWP Single-Mode Fiber	AT-3BE12YT-NNN (12-fibers per tube)	AT-3BEH2YT-NNN (12-fibers per tube)	AT-3BEN2YT-NNN (12-fibers per tube)
1. NNN = Fiber count (002 to 288)			
2. Part number shown is for standard attenuation and cable print:			
<ul style="list-style-type: none"> Standard Attenuation, Maximum: 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Standard Print, example (Single Jacket Cable): OFS OPTICAL CABLE AT-3BE12YT-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #] 			
3. Contact OFS Customer Service for information on other cable variations, including custom print, attenuation, and other types of fiber.			

Lose the Gel! The Fortex DT Cable is another example of OFS' innovative spirit to deliver best-in-class fiber optic cables that are easier to handle, install, and terminate. When you can choose an all-purpose, all-dry cable like the Fortex DT Cable, why keep the mess? Lose the gel today!

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

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