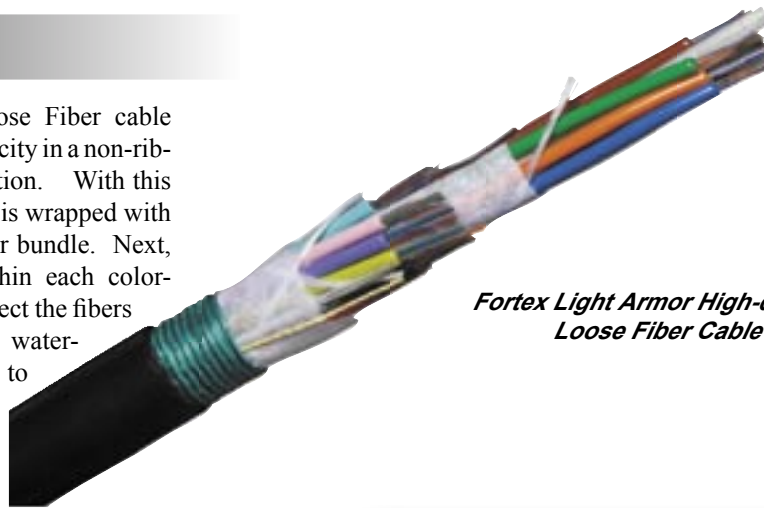


Fortex™ High-Density Loose Fiber Cable

Offering Increased Fiber Density and Easy Deployment for a Wide Range of Installations

Product Description

The Fortex High-Density Loose Fiber cable offers increased carrying capacity in a non-ribbonized, loose fiber cable construction. With this design, a group of 12 optical fibers is wrapped with color-coded yarn to form each fiber bundle. Next, two fiber bundles are placed within each color-coded, gel-filled buffer tube to protect the fibers from external forces. DryBlock® water-blocking material is then applied to the cable core to provide water penetration resistance. Finally, dielectric strength elements are added for extra tensile strength.



Fortex Light Armor High-density Loose Fiber Cable

Why the Fortex High-Density Loose Fiber Cable?

The Fortex High-Density Loose Fiber cable maximizes fiber density, offering an excellent solution for service providers who need increased carrying capacity and prefer a non-ribbon cable design. With its 1,000 pound (4450 N) rated pulling tension, this cable offers outstanding durability and reliability for a wide range of outside plant installations, including long pulls, without fiber strain.

The Reverse Oscillating Lay (ROL)-stranded, dual-layer cable core and ripcord offer fast and easy mid-span access for cable splicing and handling. DryBlock water-blocking technology makes cable preparation cleaner and easier, helping you save on time and money.

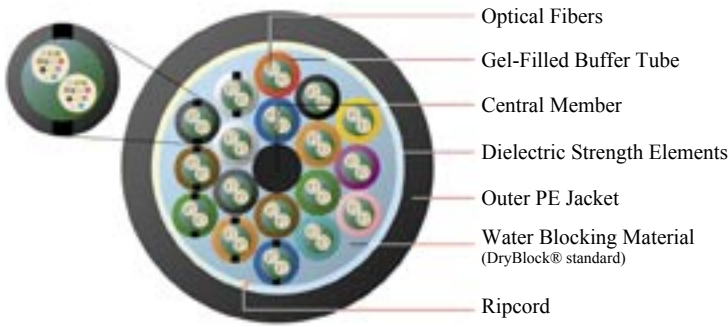
Jacketing Options

The Fortex High-Density Loose Fiber cable is available in three constructions to meet the demands of your specific installation:

Features and Benefits

- Fiber counts from 300 to 432 (with 24 fibers per tube) in all constructions
- Dual-layer, stranded core for ease of access
- 1,000-pound (4450N) rated installation tension for long pulls without fiber strain
- Highly durable and reliable for outside plant use
- DryBlock water-blocking technology for a more craft-friendly, jelly-free cable core
- ROL stranding and ripcords for fast mid-span entry
- Available to extended operational temperature range of -60° C
- High-density polyethylene (HDPE) jacket available on request
- Meets Telcordia Technologies and RUS specifications
- Features OFS application-specific fibers, including AllWave® and TrueWave® fibers

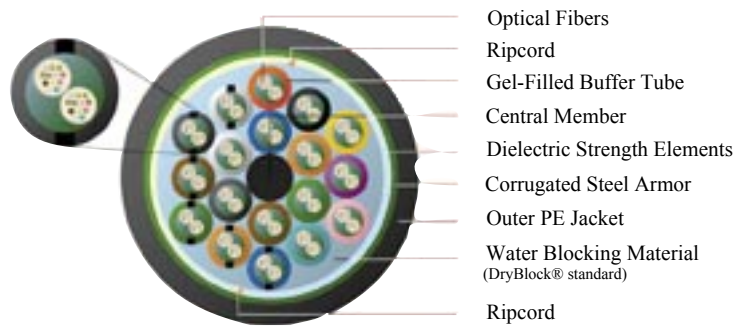
All-Dielectric



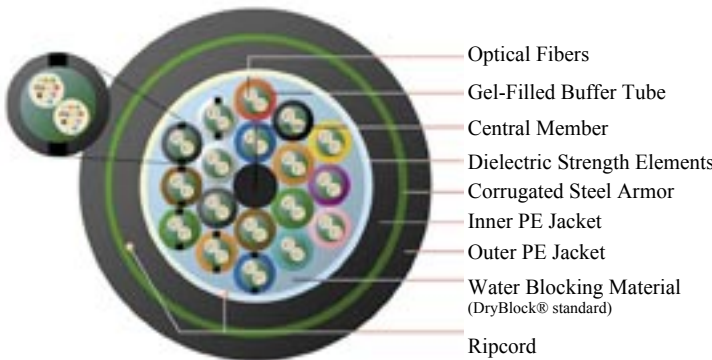
All-Dielectric: A durable medium-density polyethylene (MDPE) jacket is applied to complete the Single Jacket all-dielectric construction.

Light Armor: A corrugated electrolytically chrome-coated steel (ECCS) tape is applied lengthwise over the cable core. A MDPE jacket is then placed over the steel armor to complete the Light Armor construction.

Light Armor



Armored



Armored: A MDPE sheath is applied over the cable core as an inner jacket. A corrugated ECCS tape is then placed lengthwise over the inner jacket. Finally, an outer MDPE jacket is applied over the armor to complete the Armored construction.

Technical and Ordering Information

Technical Information			
Specifications	Single Jacket	Light Armor	Armored
Fiber Count	300-432	300-432	300-432
Cable Outside Diameter	0.83 in (21.2 mm)	0.91 in (23.1 mm)	0.99 in (25.1 mm)
Cable Weight	226 lb/kft (336 kg/km)	303 lb/kft (452 kg/km)	365 lb/kft (544 kg/km)
Bend Radius:	10x cable diameter under static load (installed) 15x cable diameter under dynamic load (during installation)		
Operating Temperature: -40°F - 158°F (-40°C - 70°C)			
Ordering Information			
AllWave® Single-mode fiber	AT-3BE12EF-xxx or AT-34E12EF-xxx	AT-3BEH2EF-xxx or AT-34EH2EF-xxx	AT-3BEN2EF-xxx or AT-34EN2EF-xxx
TrueWave® Single-mode fiber	AT-62612EF-xxx	AT-626H2EF-xxx	AT-626N2EF-xxx
Note: xxx= cable fiber count			

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, TrueWave and DryBlock are registered trademarks of Fitel USA Corp.

Fortex is a trademark of Fitel USA Corp.

Copyright © 2003 Fitel USA Corp.
All Rights Reserved



This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.