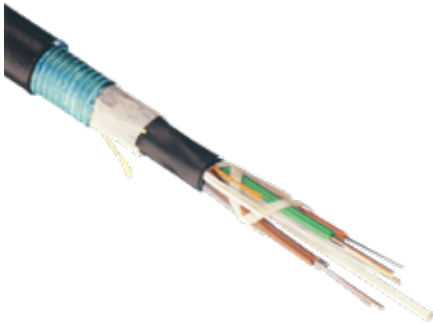




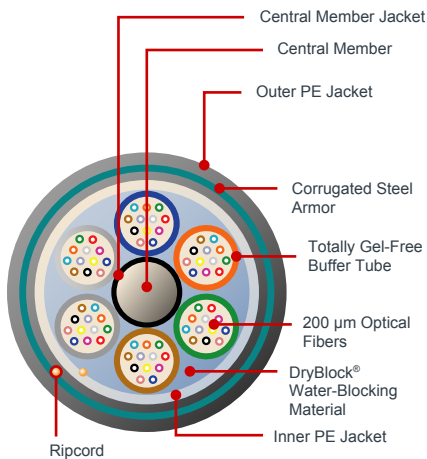
A Furukawa Company

Fortex™ 2DT Armored Cable

Reduced Diameter, Lightweight Loose Tube Cable Increases Fiber Density, Cost-Effectiveness and Performance



Fortex 2DT Armored Cable



Fortex 2DT Armored Cable Cross-section

Features

- Completely gel-free cable design
- Field-proven, 200 µm bend-optimized OFS AllWave®+ Zero Water Peak (ZWP) Fiber for lower bending loss
- Reduced diameter (approx. 15%) and weight (more than 20%) cable¹
- Layer of electrolytically chrome-coated steel (ECCS) armor and an inner polyethylene (PE) jacket
- Complies with ANSI-ICEA S-87-640 and Telcordia GR-20 Core Issue 4
- Fiber counts to 288

Benefits

- Highly robust, durable cable for long-term reliability and performance
- Smaller and more lightweight cable provides greater fiber density in limited spaces
- Excellent for environments required added crush and rodent resistance
- Seamless fiber splicing to existing 9.2 µm mode field diameter (MFD) fiber plant
- Gel-free cable for faster and cleaner splice preparation

Product Description

The Fortex 2DT Armored Cable offers the durability, reliability and GR-20 compliant performance of our popular Fortex™ DT Armored Cable along with all of the benefits offered by a smaller and lighter-weight cable design.

Why the Fortex 2DT Armored Cable?

The reduced outer diameter of Fortex 2DT Armored Cable enables improved utilization of duct and subducts. In addition, cables with smaller outer diameters allow longer continuous cable reel lengths, which may result in fewer splices needed for a deployment. Over long distances, the potential cost savings created by reduced splicing can be substantial.

The lighter weight of the Fortex 2DT Armored Cable can help to lower cable pulling tensions. This reduction can result in (1) increased cable pulling lengths; (2) lower installation costs by allowing longer distances between pulling handholes; and (3) faster installation speeds. In the case of aerial deployments, a lighter weight cable can also decrease loads on poles.

By adding a layer of ECCS armor and an inner PE jacket, the Fortex 2DT Armored Cable offers excellent crush and rodent resistance.

The Fortex 2DT Armored Cable is an excellent choice for environments where a smaller, lighter weight and higher fiber density, gel-free loose tube cable is required, including rigorous outside plant (OSP) installations, demanding direct burials, duct and lashed aerial use.

¹ When compared with standard OFS Fortex DT Armored Cable.



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Fortex™ 2DT Armored Cable

Specifications								
Fiber Count	2-60	72	96	108-120	144	156-216	228-240	252-288
Cable Outer Diameter - in. (mm)	0.46 (11.8)	0.48 (12.3)	0.54 (13.6)	0.59 (14.9)	0.64 (16.3)	0.64 (16.3)	0.67 (16.9)	0.72 (18.3)
Cable Weight - lb/kft (kg/km)	83 (123)	85 (127)	109 (162)	128 (190)	148 (220)	136 (202)	148 (220)	171 (254)
Handling (All Fiber Counts)								
Minimum Bend Radius, with Load	15 x OD* (Outer Diameter)							
Minimum Bend Radius, with No Load	10 x OD							
Minimum Bend Radius, Storage Coils	10 x OD							
Maximum Rated Cable Load (MRCL)	600 lb. (2700 N)							
Maximum Long-Term Load	180 lbf (800 N)							
* NOTE: OD = Outer Diameter of Cable, minimum of 6 in. (15 cm). See OFS Installation Procedure 042 for sheath preparation and coiling instructions.								
Performance Standard (All Fiber Counts)								
Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 4								
Temperature (All Fiber Counts)								
Installation	-22 °F to 140 °F (-30 °C to 60 °C)							
Operation	-40 °F to 158 °F (-40 °C to 70 °C)							
Storage	-40 °F to 167 °F (-40 °C to 75 °C)							

Fiber Type ²						
Single-Mode Optical Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Fiber Standard	Wavelengths (nm)	Maximum Cable on Reel Attenuation (dB/km)
200 µm AllWave+ ZWP Single-Mode Fiber	2	B	E	G.652.D/G.657.A1	1310/1385/1550	0.35/0.31/0.25
200 µm AllWave FLEX ZWP Single-Mode Fiber	8	B	E	G.652.D/G.657.A1	1310/1385/1550	0.35/0.31/0.25

Fortex 2DT Armor Cable Ordering Information

Example: AT-2BEN22T-NNN ¹		
Part Number: AT - S1 S2 SF S3 S4 S5 S6 - NNN		
S1 = Fiber Selection See S1 in Fiber Type table above.	S3 = Sheath Construction N = Double Jacket, Single Armor	S6 = Fibers per Tube 2 = 2 4 = 4 6 = 6 8 = 8 T = 12
S2 = Fiber Transmission Performance See S2 in Fiber Type table above.	S4 = Tensile Load 2 = 600 lb (2700 N)	
SF = Fiber Type² See SF in Fiber Type table above.	S5 = Core Type 2 = 2.0 mm Totally Gel-Free Loose Tube	NNN = Fiber Count 002 to 288

¹ Part Number shown is for standard AllWave+ ZWP attenuation and standard cable print. Standard Print, example Fortex 2DT Armored Cable: OFS OPTICAL CABLE AT-2BEN22T-NNN {MM-YY} {HANDSET SYMBOL} {NNN} F {SERIAL #}

² Contact OFS Order Management for information on other cable variations including additional fiber types, fiber counts, attenuation and custom cable print.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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