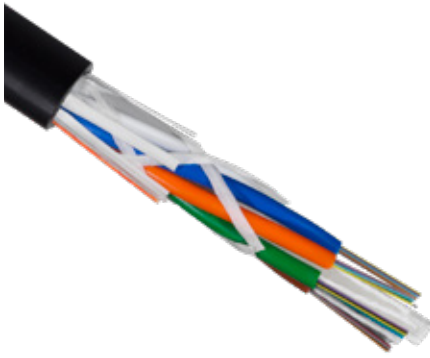




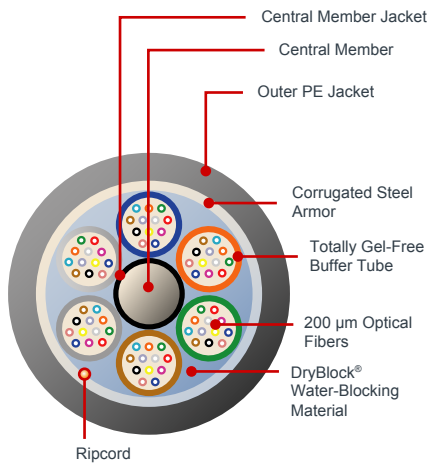
A Furukawa Company

Fortex™ 2DT Single Jacket Cable

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



Fortex 2DT Single Jacket Cable



Fortex 2DT Single Jacket
Cable Cross-section

Features

- Completely gel-free cable design
- Reduced diameter (approx. 15%) and weight (more than 20%) cable¹
- Field-proven, 200 µm bend-optimized OFS AllWave®+ Zero Water Peak (ZWP) Fiber for lower bending loss
- Complies with ANSI-ICEA S-87-640 and Telcordia GR-20 Core Issue 4 and RUS/RDUP requirements
- Fiber counts to 288

Benefits

- Robust, durable cable for long-term reliability and performance
- Smaller and more lightweight cable provides greater fiber density in limited spaces
- 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 Single Jacket Cable is a reduced diameter, GR-20-rated cable, featuring 200 micron diameter fibers that meets the same specifications as our field-proven Fortex DT Cable.

Why the Fortex 2DT Single Jacket Cable?

Today's networks require more fibers in less space. To address this trend, OFS developed the Fortex 2DT Single Jacket Loose Tube Cable. By incorporating 200 micron optical fiber, this cable literally doubles the fiber count in the cable buffer tubes, significantly increasing fiber density.

The reduced outer diameter of the Fortex 2DT Single Jacket Cable improves 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. Over long distances, the potential cost savings created by reduced splicing can be substantial.

The lighter weight of the Fortex 2DT Single Jacket Cable can also 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.

The Fortex 2DT Single Jacket Cable is an excellent choice for duct, lashed aerial and general outside plant (OSP) installations where a gel-free, loose tube cable that is smaller, lighter in weight and higher in fiber density is needed.

¹ When compared with standard OFS Fortex DT Single Jacket Cable.



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Specifications								
Fiber Count	12-60	72	96	108-120	144	156-216	228-240	252-288
Cable Outer Diameter - in. (mm)	0.34 (8.7)	0.37 (9.3)	0.40 (10.2)	0.45 (11.5)	0.50 (12.9)	0.51 (13.0)	0.53 (13.5)	0.59 (14.9)
Cable Weight - lb/kft (kg/km)	38 (56)	40 (59)	49 (73)	61 (91)	75 (112)	65 (97)	71 (106)	88 (131)
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 Installation Tension	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. Complies with RUS/RDUP RUS Bulletin 1753F-601a.								
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 158 °F (-40 °C to 70 °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	C	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 Single Jacket Cable Ordering Information		
Example: AT-2CE122T-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 1 = Single Jacket All-Dielectric	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 012 to 288

¹ Part Number shown is for standard AllWave+ ZWP attenuation and standard cable print. Standard Print, example Fortex 2DT Single Jacket Cable: OFS OPTICAL CABLE AT-2CE122T-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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