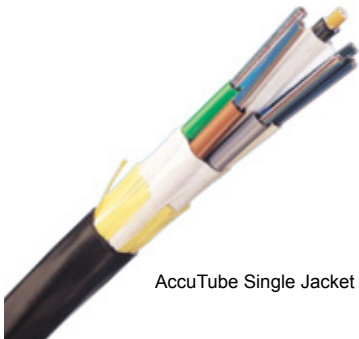




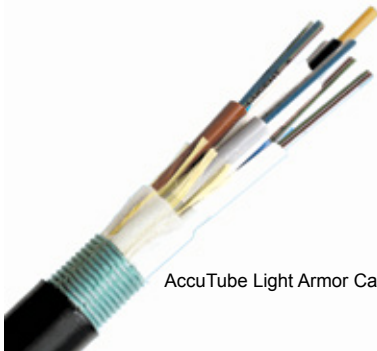
A Furukawa Company

AccuTube® Ribbon in Loose Tube Fiber Optic Cables

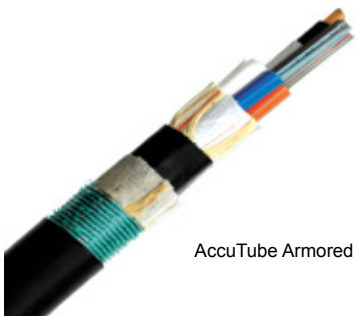
Ultra-High-Density Performance You Can Count On



AccuTube Single Jacket Cable



AccuTube Light Armor Cable



AccuTube Armored Cable

Features

- Outstanding carrying capacity
- Multiple designs for high-growth, high-bandwidth applications
- Small nominal cable diameters
- Color-coded buffer tubes facilitate fiber management and identification
- Fiber counts up to 864

Benefits

- Efficient, cost-effective mass fusion splicing
- Added mechanical protection of optical fibers
- Ease of stripping and fiber breakout
- Rapid cable preparation and termination
- Simplifies access, handling and management of fibers and ribbons

Product Description

The AccuTube Ribbon in Loose Tube Cables are specifically designed for ultra-high-density, high-bandwidth networks. These 12-fiber ribbon cable designs facilitate efficient, cost-effective mass fusion splicing.

The AccuTube Single Jacket, Light Armor and Armored cable designs feature twelve, 12-fiber ribbons in each of six gel-filled buffer tubes. The Light Armor and Armored Cables offer greater durability for more demanding applications.

Why the AccuTube Cables?

With up to 864 fibers in a single cable*, AccuTube Cables offer exceptional carrying capacity for high-growth, high-bandwidth applications. These cables also facilitate easy fusion splicing, helping to simplify installation and save on labor costs.

The ultra-high-fiber-density AccuTube designs are more compact than standard central core ribbon cables. Even with 864 fibers, the AccuTube Single Jacket Cable's outer diameter remains less than one inch for ease of handling and installation in ducts and other limited spaces.

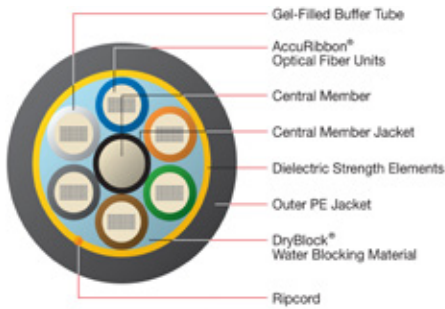
This next generation of ultra-high-fiber-count cables also incorporates proven loose buffer tube construction from OFS. This design offers increased protection of the optical fibers over other central core ribbon cables.

With their ability to maximize duct utilization, the AccuTube Cables are an ideal choice for applications where space is limited. They are also an excellent selection for data centers, FTTx and access networks.

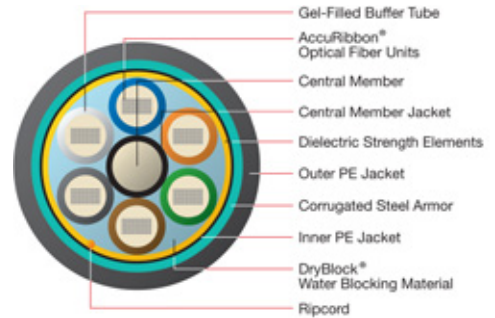


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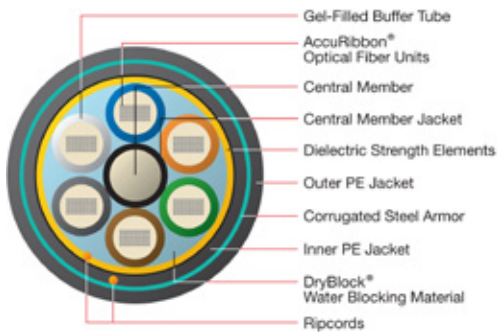
AccuTube Single Jacket Cable



AccuTube Light Armor Cable



AccuTube Armored Cable



Specifications	Single Jacket	Light Armor	Armored
Fiber Count:	288-432	288-432	288-432
Outer Diameter - in. (mm)	0.85 (21.6)	0.91 (23.2)	0.99 (25.3)
Cable Weight - lb/kft (kg/km)	227 (338)	306 (455)	353 (526)
Tube Diameter - in. (mm)	0.24 (6.0)	0.24 (6.0)	0.24 (6.0)
Fiber Count	444-864	444-864	444-864
Outer Diameter - in. (mm)	0.99 (25.1)	1.06 (26.9)	1.142 (29.00)
Cable Weight - lb/kft (kg/km)	306 (456)	405 (602)	460 (684)
Tube Diameter - in. (mm)	0.28 (7.2)	0.28 (7.2)	0.28 (7.2)
All Cables:			
Minimum Bend Radius, With Load*	15 x OD	15 x OD	15 x OD
Minimum Bend Radius, With No Load*	15 x OD	15 x OD	15 x OD
Minimum Bend Radius, Storage Coils*	15 x OD	15 x OD	15 x OD
Maximum Rated Cable Load (MRCL)	1000 lb. (4448 N)	1000 lb. (4448 N)	1000 lb. (4448 N)
Maximum Long-Term Load	333 lb. (1481 N)	333 lb. (1481 N)	333 lb. (1481 N)

Performance Standards (all cables)

Tested per applicable requirements of Telcordia Technologies GR-20 Core Issue 4.

Handling (all cables)

Temperature

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)

AccuTube® Ribbon In Loose Tube Cables

Fiber Type ²							
Single-Mode Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Fiber Standards	Wavelengths (nm)	Typical * Attenuation (dB/km)	Maximum Cable on Reel Attenuation (dB/km)
AllWave® ZWP Fiber	3	B	E	G.652.D	1310/1385/1550	-	0.35/0.31/0.25
AllWave+ ZWP Fiber	3	C	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave FLEX ZWP Fiber	5	B	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave One Fiber	3	F	E	G.652.D/G.657.A1	1310/1385/1550	0.33/0.31/0.19	0.35/0.31/0.22
TrueWave® RS LWP Fiber	6	2	6	G.655.C&D	1550	0.21	0.25
TeraWave® Fiber ³	6	2	R	G.654.B	1550	0.20	0.25
Multimode Fiber							
62.5 µm Fiber	R	U	9	OM1 62.5 µm	850/1300	-	3.4/1.0
LaserWave® FLEX 300 Fiber	L	F	2	OM3 50 µm	850/1300	-	2.4/0.7
LaserWave FLEX 550 Fiber	L	H	2	OM4 50 µm	850/1300	-	2.4/0.7

AccuTube Ribbon in Loose Tube Ordering Information

Example: AT-3BE1XAT-NNN¹

Part Number: AT- S1 S2 SF S3 S4 S5 S6 - NNN^X

S1 = Fiber Selection

See S1 in Fiber Type table above

S2 = Fiber Transmission Performance

See S2 in Fiber Type table above

SF = Fiber Type²

See SF in Fiber Type table above

S3 = Sheath Design⁶

1 = Single Jacket All Dielectric

H = Light Armor

N = Armored

S4 = Tensile Load

X = 1,000 lb (4450 N)

S5 = Core Type

A = Loose Tube Ribbon DryBlock

S6 = Fibers per Tube⁶

T = 72 Fibers/Tube - 12-Fiber

Ribbons - 288-432 fibers

T = 144 Fibers/Tube - 12-Fiber

Ribbons - 444-864 Fibers

NNN = Fiber Count

288-864 - Single Jacket,
Light Armor and
Armored Cables

¹ Part Number shown is for an AccuTube Single Jacket Cable with standard AllWave ZWP attenuation and standard cable print. Maximum AllWave ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm
Standard Print, example for AccuTube Single Jacket Cable: OFS OPTICAL CABLE AT-3BE1XAT-NNN- [MM-YY] (UL) US TYPE OFNR [HANDSET SYMBOL] [NNN] F [SERIAL #]

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

³ Contact your OFS Customer Care Representative on the positioning of ribbon requirements if TeraWave Fiber is being ordered.

NOTE: For more information regarding typical attenuation as well as attenuation parameters on Link Design Value (LDV) (Maximum end-to-end attenuation over a concatenated span), please see OFS Application Note AN-111 which can be downloaded at www.ofsoptics.com or contact your OFS representative.

Maximum Reel Lengths - in feet/ft. (kilometers/km)*

Fiber Count:	Single Jacket	Light Armor	Armored
288-432 Fibers ft. (km)	20,342 (6.2)	20,342 (6.2)	17.717 (5.4)
444-864 Fibers ft. (km)	14,764 (4.5)	16,077 (4.9)	13,780 (4.2)

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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