

# Outside Plant

## FusionLink™ Armored

### RIBBON CENTRAL LOOSE TUBE CABLE

for Aerial, Duct and Direct-Buried Applications

#### Features and Benefits

##### Compact Design

- > Efficient packaging of higher fiber counts
- > Lightweight and easy to handle during installation

##### Easily Removable Ribbon Matrix

- > Allows for ease of stripping and fiber breakout
- > Improves mid-span strippability

##### Precision Ribbon Geometry

- > Time and labor savings during fiber splicing

##### Flexible Buffer Tube

- > Superior kink resistance
- > Increased flexibility
- > Facilitates route management in closures
- > Eliminates need for closure transportation tubing

##### Dry Water-Blocking Technology

- > Permits rapid cable preparation and termination
- > Water-Blocking materials are easily removed

##### Corrugated Steel Armor

- > Provides additional mechanical protection
- > Special coating reduces time and effort to remove jacket

##### Stainless Steel Strength Members

- > Corrosion resistant, compact and highly reliable

##### Performance

- > Meets or exceeds the requirements of Telcordia GR-20, Issue 2 and ICEA 640, and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- > RDUP listed (tested in accordance with PE-90)

##### Registered Supplier

- > ISO 9001, ISO 14001, and TL 9000

##### Bend Radius

Dynamic	20 x Cable OD
Static	10 x Cable OD

##### Tensile Rating

	N	lbf
Installation	2700	600
Residual	800	180

##### Crush Resistance

	N/cm	lbf/in
Short Term/Long Term	220/110	125/63

##### Temperature Ratings

	°C	°F
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

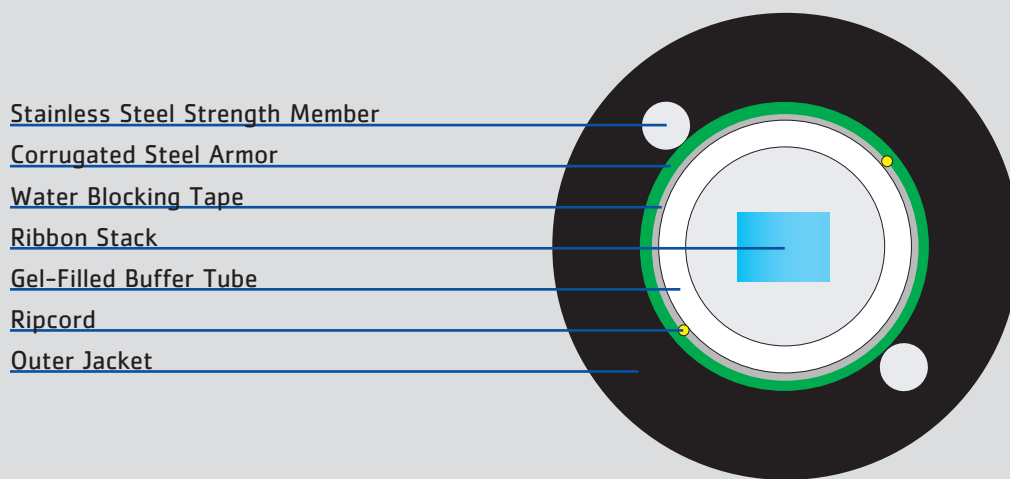


#### Performance Specifications

## NOMINAL DESIGN PARAMETERS

Fiber Count		12-72	84-96	108-216	240-432*
Ribbon Count		1-6	7-8	9-18	10-18
Fibers/Ribbon		12	12	12	24
Buffer Tube OD	(mm)	6.2	8.4	11.0	14.3
	(inches)	0.24	0.33	0.43	0.56
Cable OD	(mm)	12.6	14.8	17.4	21.4
	(inches)	0.50	0.58	0.69	0.84
Cable Weight	(kg/km)	159	200	263	395
	(lb/kft)	107	134	176	265
Max. Length	(m)	12,100	12,100	10,130	4,700
	(ft)	39,688	39,688	33,226	15,416

## CABLE CONSTRUCTION



## ORDERING INFORMATION

Select a part number according to the fiber count you want:

Fiber Count	1	2	
0012-0216	<input type="checkbox"/>	<input type="checkbox"/>	STRABSAJB
0240-0432	<input type="checkbox"/>	<input type="checkbox"/>	SWRABSAJB*

\*Note: This design uses 24 fiber ribbons for counts of 240 or more. Please refer to Ribbon in Loose Tube designs for higher fiber counts using 12 fiber ribbons.

Then, use the following options to complete the part number:

### 1 Fiber Type

H = G.652.D Single-Mode Low Water Peak  
Z = Corning™ SMF-28e+ Fiber

### 2 Attenuation

B = 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm  
C = 0.40/0.40/0.30 dB/km @ 1310/1383/1550 nm

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

### Example:

If you need a 96 count armored FusionLink™ cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0096HCSTRABSAJB.

To place an order, contact us in one of the following ways:

700 Industrial Drive, Lexington SC 29072 - (800) 669-0808 (Inside Sales) - Fax (800) 951-5040 - [comm.cables@prysmian.com](mailto:comm.cables@prysmian.com)