

# Outside Plant

## Dry 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

##### Dry Water-Blocking Technology

- > Buffer Tube and Core are completely dry—no gel
- > 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 3 and ICEA-640
- > Tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- > Complies with RUS PE-90

##### Registered Supplier

- > ISO 9001, ISO 14001, and TL 9000

#### Performance Specifications

##### 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

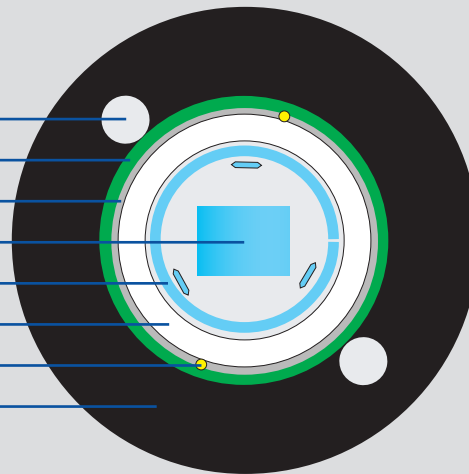


## NOMINAL DESIGN PARAMETERS

<b>Fiber Count</b>		12-96	108-144	156-216	240-432*
<b>Ribbon Count</b>		1-8	9-12	13-18	10-18
<b>Fibers/Ribbon</b>		12	12	12	24
<b>Buffer Tube OD</b>	(mm)	9.5	10.6	12.3	15.4
	(inches)	0.37	0.42	0.48	0.61
<b>Cable OD</b>	(mm)	16.7	17.8	19.4	22.9
	(inches)	0.66	0.70	0.76	0.90
<b>Cable Weight</b>	(kg/km)	229	259	291	384
	(lb/kft)	154	174	195	258
<b>Max. Length</b>	(m)	10,595	9,338	7,738	4,801
	(ft)	34,761	30,635	25,387	15,750

## CABLE CONSTRUCTION

[Stainless Steel Strength Member](#)  
[Corrugated Steel Armor](#)  
[Water Blocking Tape](#)  
[Ribbon Stack](#)  
[Water-Blocking Yarns and Tape \(in tube\)](#)  
[Dry Water-Blocked Buffer Tube](#)  
[Ripcord](#)  
[Outer Jacket](#)



## ORDERING INFORMATION

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

**Fiber Count** **1** **2**  
 0012-0216   STRADSAJB  
 0240-0432   SWRADSAJB\*

\*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™ Dry cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation order Part Number 0096HCSTRADSAJB.

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)