

Outside Plant

FusionLink RCLT™ RIBBON CENTRAL LOOSE TUBE CABLE for Aerial and Duct 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

All-Dielectric Strength Elements

- > Jacket can be removed from the end in a single step
- > Mid-span access is safer and easier

Performance

- > Meets or exceeds the requirements of Telcordia GR-20, Issue 3 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

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

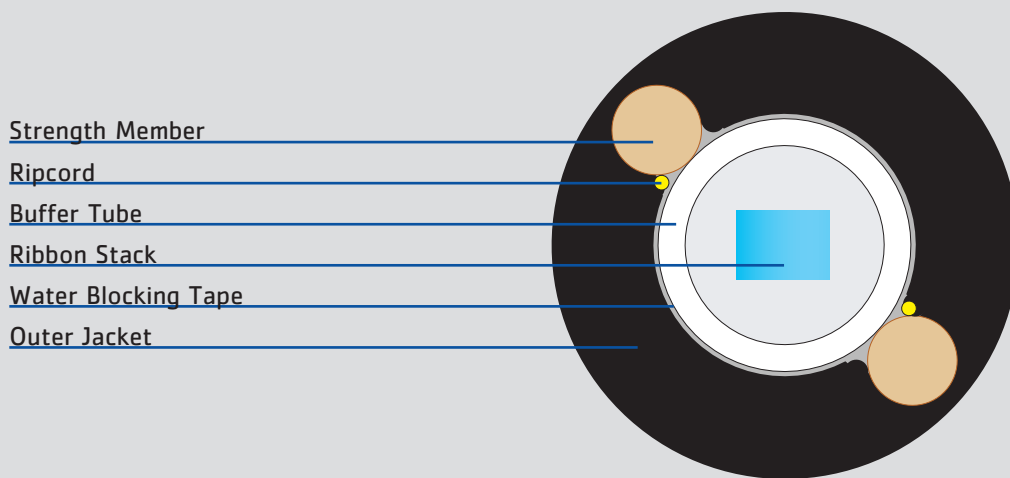
	°C	°F
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167



NOMINAL DESIGN PARAMETERS

Fiber Count		12-72	84-96	108-144	156-216	240-432*
Ribbon Count		1-6	7-8	9-12	13-18	10-18
Fibers/Ribbon		12	12	12	12	24
Buffer Tube OD	(mm)	6.2	8.4	9.9	11.0	14.3
	(inches)	0.24	0.33	0.33	0.43	0.56
Cable OD	(mm)	12.9	15.1	16.6	17.7	21.0
	(inches)	0.51	0.59	0.65	0.70	0.83
Cable Weight	(kg/km)	130	173	207	235	335
	(lb/kft)	87	116	139	158	225
Max. Length	(m)	11,821	10,470	9,162	9,162	4,801
	(ft)	38,773	34,342	30,051	30,051	15,750

CABLE CONSTRUCTION



ORDERING INFORMATION

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

Fiber Count **1** **2**
 0012-0216 STRABESJB
 0240-0432 SWRABESJB*

*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 FusionLink™ cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0096HCSTRABESJB.

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