

# Outside Plant

## MassLink RILT™

### RIBBON IN 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

##### Precision Ribbon Geometry

- > Time and labor savings during fiber splicing

##### Dry Water-Blocking Technology

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

##### Multiple Buffer Tubes Stranded in Reverse Oscillated Lay

- > Facilitates access of fibers when cable slack is not available
- > Smaller tubes have superior kink resistance and increased flexibility
- > Simplifies access, handling and management of fibers and ribbons
- > Eliminates need for closure transportation tubing and furcation kits

##### Corrugated Steel Armor (Optional)

- > Provides additional mechanical protection (Prysmian recommends that only armored designs should be used in direct-buried applications)

##### Copper Tracer Wires Available

- > Permits tone location of unarmored designs

##### 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 (RUS) listed (tested in accordance with PE-90, 7CFR 1755.900)

##### 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	4500	1000
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

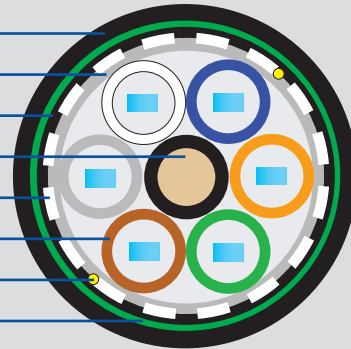


## NOMINAL DESIGN PARAMETERS

Jacket Design	All-Dielectric	All-Dielectric	Single Armor Single Jacket	Single Armor Single Jacket	Single Armor Double Jacket
<b>Fiber Count</b>	288-432	444-864	288-432	444-864	288-432
<b>12F Ribbons/Tube</b>	1-6	1-12	1-6	1-12	1-6
<b>Tube Positions</b>	6	6	6	6	6
<b>Buffer Tube OD</b>	(mm)	6.2	7.9	6.2	7.9
	(inches)	0.24	0.31	0.24	0.31
<b>Cable OD</b>	(mm)	21.35	26.7	24.7	29.8
	(inches)	0.84	1.05	0.97	1.17
<b>Cable Weight</b>	(kg/km)	310	442	464	618
	(lb/kft)	208	297	311	415
<b>Max. Length</b>	(m)	6,575	4,204	4,932	3,515
	(ft)	21,566	13,789	16,181	11,529

## CABLE CONSTRUCTION

- Outer Jacket
- Water Blocking Tape
- Inner Jacket (Double Jacket Designs Only)
- Central Strength Member
- Outer Strength Members
- Gel-Filled Buffer Tube Containing Fiber Ribbons
- Ripcord
- Corrugated Steel Armor (Armored Designs Only)



## ORDERING INFORMATION

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

Fiber Count	1	2		
0288-0864	<input type="checkbox"/>	<input type="checkbox"/>	STRAFESJC	All-Dielectric
0288-0864	<input type="checkbox"/>	<input type="checkbox"/>	STRAFEAJC	Single Armor/Single Jacket
0288-0432	<input type="checkbox"/>	<input type="checkbox"/>	STRAFESAC	Single Armor/Double Jacket

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 an 864 count armored MassLink™ cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0864HCSTRAFEAJC.

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)