

# Outside Plant

## FlexLink™

### LOOSE TUBE CABLE

for Aerial and Duct Applications

#### Features and Benefits

##### Dry Water Blocked Cable Core

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

##### Flexible Buffer Tubes

- > Increased flexibility and superior kink resistance
- > Facilitates route management in closures
- > Eliminates need for closure transportation tubes

##### Medium Density Polyethylene Jacket

- > Low friction installation
- > Excellent protection from environmental hazards

##### Sheath Markings

- > Custom print available

##### Reverse Oscillated Lay Stranding Method

- > Facilitates mid-span access of fibers

##### All-Dielectric Construction

- > No bonding or grounding required

##### Additional Options

- > Twisted copper pairs provide remote power or communications
- > Outer jacket can be produced with colored stripes
- > Factory-Installed pulling eye saves time when setting up for cable pulls

##### Performance

- > Meets or exceeds the requirements of Telcordia GR-20, Issue 3 and ICEA 640, and is tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- > PE-90 compliant for applications that do not require mid-span tube storage (Dry FlexLink and other designs are available for these applications)

##### 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	200

##### 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		2-60	62-72	74-96	98-120	122-144	146-216	218-264	266-288	290-312	
<b>Buffer Tube Count</b>		5	6	8	10	12	18	22	24	26	
<b>Buffer Tube OD</b>	(mm)	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	
<b>Single Jacket</b>	<b>Cable OD</b>	(mm)	11.1	12.0	13.7	15.4	17.3	17.6	19.0	20.0	21.3
		(inches)	0.44	0.47	0.54	0.61	0.68	0.69	0.75	0.79	0.84
<b>Single Jacket</b>	<b>Cable Weight</b>	(kg/km)	82	98	125	158	197	191	228	255	285
		(lb/kft)	55	66	84	106	132	128	153	171	191
<b>Single Jacket</b>	<b>Max. Length</b>	(m)	12,800	12,800	12,800	12,636	10,013	9,675	8,302	7,493	6,605
		(ft)	41,984	41,984	41,984	41,446	32,843	31,734	27,231	24,577	21,664
<b>Double Jacket</b>	<b>Cable OD</b>	(mm)	13.0	13.7	15.4	17.1	19.0	--	--	--	--
		(inches)	0.51	0.54	0.61	0.67	0.75	--	--	--	--
<b>Double Jacket</b>	<b>Cable Weight</b>	(kg/km)	116	134	165	195	248	--	--	--	--
		(lb/kft)	78	90	111	131	167	--	--	--	--
<b>Double Jacket</b>	<b>Max. Length</b>	(m)	12,800	12,800	12,800	10,013	8,215	--	--	--	--
		(ft)	41,984	41,984	41,984	32,843	26,945	--	--	--	--

## CABLE CONSTRUCTION

Polyethylene Outer Jacket

Polyethylene Inner Jacket (double jacket designs only)

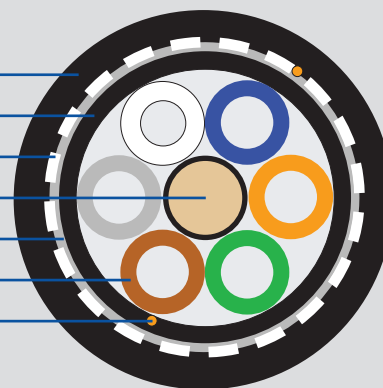
Outer Strength Members (where applicable)

Dielectric Central Strength Member

Water Blocking Tape

Gel-Filled Buffer Tube Containing up to 12 Fibers

Ripcord



## ORDERING INFORMATION

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

Fiber Count	1	2	3	3	
0002-0006	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A
0008-0036	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A
0038-0312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A

Note: Standard lay-up for fiber counts of 12 or more is 12 fibers per tube. Please call for custom lay-ups.

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

### 3 Jacket Design

SJ = Single Jacket

DJ = Double Jacket

### 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 36 count FlexLink™ single jacket cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0036HCT1LAFESJA.

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)