

# Outside Plant

## FlexLink™ Armored

### STRANDED LOOSE TUBE CABLE

for Aerial, Duct and Direct-Buried Applications

#### Features and Benefits

##### Dry Water-Blocking Technology

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

##### Flexible Buffer Tubes

- > Superior kink resistance
- > Eliminates need for closure transportation tubing

##### Corrugated Steel Armor

- > Provides additional mechanical protection

##### Medium Density Polyethylene Jacket

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

##### Sheath Markings

- > Custom print and embedded striping available

##### Reverse Oscillated Lay Stranding Method

- > Facilitates mid-span access of fibers

##### Additional Options

- > Twisted copper pairs provide remote power or communications
- > Steel central strength member (RUS listing of this design option is pending)
- > 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/TIA-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	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

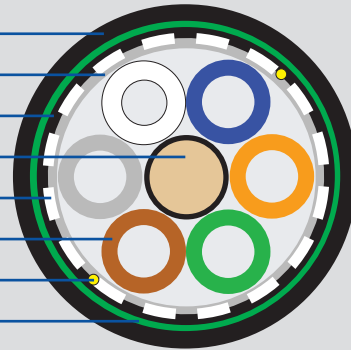


## NOMINAL DESIGN PARAMETERS

Fiber Count		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)	12.1	13.6	15.3	17.2	19.1	19.4	20.7	21.7	23.0
		(inches)	0.48	0.54	0.60	0.68	0.75	0.76	0.81	0.85	0.91
<b>Pulling Eye OD</b>		(mm)	15.6	18.1	18.1	20.6	23.2	23.2	23.2	225.7	25.7
		(inches)	0.61	0.71	0.71	0.81	0.91	0.91	0.91	1.01	1.01
<b>Cable Weight</b>		(kg/km)	135	162	191	239	287	281	315	351	384
		(lb/kft)	91	109	129	161	193	189	212	236	258
<b>Max. Length</b>		(m)	12,800	12,800	12,800	10,130	8,215	7,962	6,994	6,364	5,666
		(ft)	41,984	41,984	41,984	33,226	26,945	26,115	22,940	20,874	18,584
<b>Double Jacket</b>	<b>Cable OD</b>	(mm)	15.0	15.9	17.6	19.3	21.2	21.5	22.9	23.9	25.2
		(inches)	0.59	0.62	0.69	0.76	0.83	0.85	0.90	0.94	0.99
<b>Pulling Eye OD</b>		(mm)	18.1	18.1	20.6	23.2	23.2	25.7	25.7	28.3	28.3
		(inches)	0.71	0.71	0.81	0.91	0.91	1.01	1.01	1.11	1.11
<b>Cable Weight</b>		(kg/km)	190	212	252		348	343	385	419	461
		(lb/kft)	128	143	169	201	234	230	259	282	310
<b>Max. Length</b>		(m)	12,800	11,929	9,675	8,045	6,668	6,484	5,715	5,246	4,719
		(ft)	41,984	39,127	31,734	26,388	21,871	21,268	18,745	17,207	15,478

## CABLE CONSTRUCTION

- Outer Jacket
- Water Blocking Tape
- Inner Jacket (Double Jacket Designs Only)
- Central Strength Member
- Outer Strength Members (where applicable)
- Gel-Filled Buffer Tube Containing up to 12 Fibers
- Ripcord
- Corrugated Steel Armor



## 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

- AJ = Single Armor-Single Jacket
- SA = Single Armor-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. Double Armor designs are also available.

### Example:

If you need a 36 count FlexLink™ single armor/single jacket cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0036HCT1LAFEAJA.

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)