

# 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

- Provide positive identification and length verification
- Custom print available
- Optional embedded stripe available for additional cable identification

### 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 2 and ICEA 640, and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- RUS listed (tested in accordance with PE-90)

### 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

## Nominal Design Parameters

Fiber Count		2-60	62-72	74-96	98-120	122-144	146-216	218-264	266-288	290-312
Buffer Tube Count		5	6	8	10	12	18	22	24	26
Buffer Tube OD	(mm)	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
Cable OD	(mm)	12.1	13.6	15.3	17.2	19.1	19.4	20.7	21.7	23.0
	(inches)	0.45	0.54	0.60	0.68	0.75	0.76	0.81	0.85	0.91
Pulling Eye OD	(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
Cable Weight	(kg/km)	135	162	191	239	287	281	315	351	384
	(lb/kft)	91	109	129	161	193	189	212	236	258
Max. Length	(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
Cable OD	(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
Pulling Eye OD	(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
Cable Weight	(kg/km)	190	212	252	299	348	343	385	419	461
	(lb/kft)	128	143	169	201	234	230	259	282	310
Max. Length	(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)

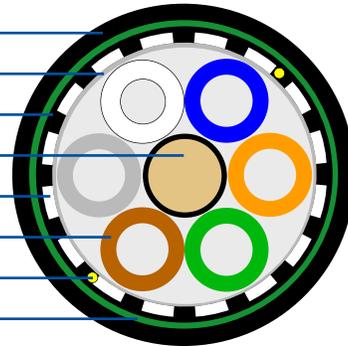
Central Strength Member

Outer Strength Members (where applicable)

Gel-Filled Buffer Tube Containing up to 12 Fibers

Ripcord

Corrugated Steel Armor



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"/>	S1LAFE	<input type="checkbox"/>	<input type="checkbox"/>	A
0008-0036	<input type="checkbox"/>	<input type="checkbox"/>	T1LAFE	<input type="checkbox"/>	<input type="checkbox"/>	A
0038-0312	<input type="checkbox"/>	<input type="checkbox"/>	S1LAFE	<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

G = G.652 Single-Mode

H = G.652(d) Single-Mode Low Water Peak

### 3 Jacket Design

AJ = Single Armor-Single Jacket

SA = Single Armor-Double Jacket

### 2 Attenuation

B = 0.35/0.25 dB/km @ 1310/1550 nm

C = 0.40/0.30 dB/km @ 1310/1550 nm

Note: Please call if you have special requirements for fiber type or attenuation.

Double Armor designs are also available.

### Example:

If you need a 36 count FlexLink™ single armor/single jacket cable with Single-Mode fiber and 0.40/0.30 attenuation, order Part Number 0036GCT1LAFEAJA.

To place an order please contact us in one of the following ways:

Telephone (800) 669-0808 (Inside Sales)

Fax (800) 951-5040

comm.cables@prysmian.com

