

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

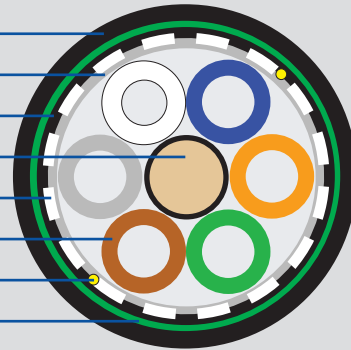


NOMINAL DESIGN PARAMETERS

Fiber Count		2-60	62-72	74-96	98-120	122-144	146-216	218-264	266-288	290-312	
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	
Single Jacket	Cable OD	(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
Single Jacket	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
Single Jacket	Cable Weight	(kg/km)	135	162	191	239	287	281	315	351	384
		(lb/kft)	91	109	129	161	193	189	212	236	258
Single Jacket	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
Double Jacket	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
Double Jacket	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
Double Jacket	Cable Weight	(kg/km)	190	212	252		348	343	385	419	461
		(lb/kft)	128	143	169	201	234	230	259	282	310
Double Jacket	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



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