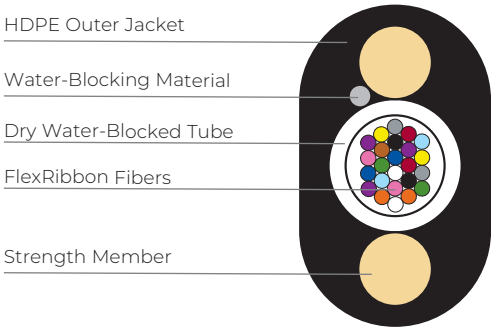


24 to 72f Flat EcoSpan™ Cable with FlexRibbon® Technology

Flexible Ribbon in a high-strength, flat cable



OVERVIEW

Prysmian's EcoSpan cable is optimized for rapid installation on pole lines. It's compatible with high-strength wedge clamps and mass-fusion splicing. Unlike traditional fiber drop, it can safely be used for spans up to 300' under NESC Heavy loading. Rapid splicing is enabled by up to six, 12-fiber flexible ribbons.

SPECIFICATIONS / RATINGS

- Constructions** Dry Core, Dielectric, Central Core Design
- Fiber Count** Up to 72 fibers in 12-fiber flexible ribbons
- Fiber Types** 250µm Single-mode, bend insensitive
- Standards** Tested in accordance with GR20 and ICEA-717 Drop
- Registered Supplier** ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

FEATURES AND BENEFITS

- Flexible Design & Use**
- Rapid, economical deployment with wedge-clamp style hardware
 - Flexible ribbons for easy mass fusion splicing and routing
 - Smaller and lighter than designs with traditional (flat) ribbons
 - Fibers are organized in a buffer tube for ease of management during splicing
 - Dry water-blocked
 - Standard 250um fibers
 - No bonding or grounding required
 - Robust 200kpsi fiber
- Reliable Lifetime Performance**
- Longer span capabilities than fiber drop
 - Proven water-blocking with water-swellaable thread
 - Guaranteed standards-based performance

Flat EcoSpan – Nominal Design Parameters

Fiber Count Range	Rec. Fiber Count	Recommended Prysmian Part Number	Buffer Tube OD		Cable Thickness		Cable Width		Cable Weight		Bend Radius Installation		Bend Radius Long Term		Maximum Pulling Installation Load		Maximum Reel Length	
			inches	mm	inches	mm	inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	N	feet	meters
24-72	72	RFS13KT-12-B1-072-E1	0.19	4.7	0.26	6.7	0.45	11.3	47	34	5.9	15.0	3.9	10.0	300	1336	32,808	10,000



Prysmian
4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 /na.prysmian.com
TLS-DS-A-316-0425

24 to 72f Flat EcoSpan™ Cable with FlexRibbon® Technology

Flexible Ribbon in a high-strength, flat cable



RIBBON MARKING CODE	
Ribbon #	Marking
1	
2	
3	
4	
5	■
6	■

Maximum Span Distance

Installation SAG	NESC Heavy		NESC Medium		NESC Light	
	ft	m	ft	m	ft	m
1%	240	73	410	125	600	183
1.5%	260	79	440	134	680	207
2%	270	82	470	143	740	226
2.5%	290	88	500	152	790	241
3%	300	91	530	162	840	256

Note: Coupling coils are required for aerial applications.

Temperature Range

Operation: -40° F to +158° F (-40° C to +70° C)
 Shipping and Storage: -40° F to +158° F (-40° C to +70° C)
 Installation: -22° F to +140° F (-30° C to +60° C)

Mounting Hardware - Clamp

Manufacturer	Catalog Number	Clamp Description
Allied	2107	Three-piece dead-end clamp



Ordering Guide

The Prysmian part number incorporates several significant attributes involving cable design and optical performance.

The appropriate part number can be configured using the process described below

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	RFS	1JKT	12	B1	072	E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

RFS = Flat EcoSpan™ with FlexRibbon Technology

3 CONSTRUCTION

1JKT = Single Jacket

4 FIBER GROUPING

12 = 12f per ribbon

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

6 FIBER COUNT

24-72 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	B1

