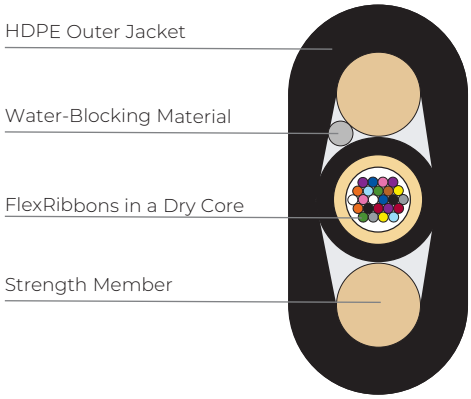
24 to 72f Flat EcoSpan™ with FlexRibbon® Technology Cable

FlexRibbon® in a Central Core, Flat Design



Highly compact, high performance cable.

OVERVIEW

Prysmian's EcoSpan cable design is the ideal cable for Outdoor applications where a small diameter, highly flexible cable is needed, and mass fusion splicing is desired. The EcoSpan design contains up to six 12 fiber FlexRibbons in a central core design with an overall compact diameter.

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

- Very flexible
- Flexible ribbons for easy mass fusion splicing and routing
- Compact design for optimal microduct installation
- Streamlined central core design
- Totally dry
- Standard 250um fibers
- No bonding or grounding required
- Robust 200kpsi fiber

Reliable Lifetime Performance

- Proven water-blocking with water swell thread
- Guaranteed standards-based performance

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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	RFS1JKT-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

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

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)

Note: Coupling coils are required for aerial applications.

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

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