



## Reel-in-a-box

## Flat Drop Cable Gel-Filled

## FOSPC-0XX-X-FRLT30-FT0BZ-US / 1-12 Fibers

### Applications



Outdoor



Aerial



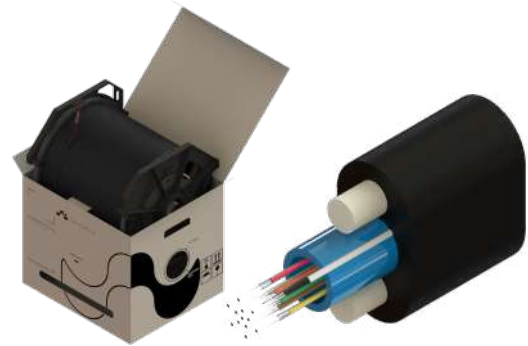
Duct Installation



Direct-buried



Self-supporting



REEL-IN-A-BOX FLAT DROP CABLE GEL-FILLED  
12F G652.D FIBER FT

### Protections



UV Resistant



Water Blocking



Crush Resistant

### Description

Waveoptics® Flat Drop Cable Gel-Filled is designed for self-supporting, direct-buried and duct installations. Fully dielectric design, ideal for drop applications, offering ease of access as well as easy installation.

Single loose tube made of PBT which provides great mechanical properties under a wide range of conditions such as crush test and impact test, and is filled with water blocking gel.

PE single jacket with additives makes a resistant, durable and easy to strip cable, providing superior protection against UV radiation, fungus, abrasion and other environmental factors.

Two parallel dielectric strength members that require no bonding or grounding, offering exceptional crush resistance. The FRP strength members are coated with EAA for improved adherence and water penetration.

Reel-in-a-box packaging makes a quicker and easier installation, providing a cost-friendly and time-efficient installation method.

### Quality

Waveoptics® is a ISO-9001:2015 certified company.

We meet or exceed the following international standards:

- Telcordia GR-409: Generic requirements for indoor fiber cable.
- ANSI/ICEA S-115-730: Standard for fire retardant compact or rugged optical drop cable.
- ANSI/ICEA S-104-696: Indoor/outdoor optical fiber cable.

Each Waveoptics® cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.

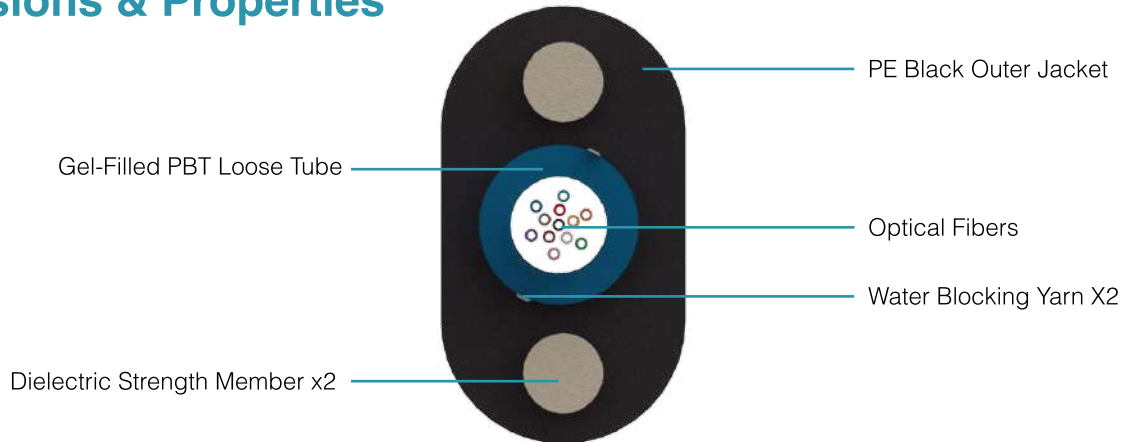
Folio PE-626-01-EN


Last Review 2/28/2023

# TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-0XX-X-FRLT30-FT0BZ-US / 1-12 Fibers

## Dimensions & Properties



Design	
Fiber count	1 - 12
Fiber Color Code	
Loose Tube Diameter ( $\pm 5\%$ )	3.0 mm (0.12 in)
Dielectric Strength Member Diameter / Material	1.65 mm / EAA coated FRP
Outer Jacket Material	Polyethylene
Drum Length	2,000 ft (610 m) ( $\pm 5\%$ )
Temperature Range	
Operation	-40°C to 70°C (-40° F to 158° F)
Installation	-30°C to 70°C (-22° F to 158° F)
Storage / Transport	-40°C to 70°C (-40° F to 158° F)
Mechanical Properties	
Crush Resistance (Short-Term/Long-Term)	2,200 N/100 mm / 1,100 N/100 mm
Minimum Bend Radius (Operation / Installation)	10 x OD / 20 x OD

Note: Waveoptics® recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

# TECHNICAL DATA SHEET

## INDOOR - OUTDOOR CABLE

FOSPC-0XX-X-FRLT30-FT0BZ-US / 1-12 Fibers

### Dimensions & Properties

Fiber Count	Cable Weight (kg/km) (lb/kft) (±10%)	Tensile Strength (N) (lbf) Long-Term / Short-Term	Nominal Outer Dimensions (mm) (in) (±5%)	Dielectric Strength Member Diameter (mm) (in)
1 - 12	39.4 (26.5)	400 / 1,350 (90 / 303)	8.0 (±0.5) x 4.5 (±0.35) (0.31x0.18)	1.65 (0.06)

### Printed Information on Outer Jacket

= /MONTH/YEAR/ WAVEOPTICS OPTICAL CABLE + = = FLAT DROP = =  = = /FIBER TYPE/= = /FIBER COUNT/= = /FEET\*/ FT= = /LOT# /=

- Printed in white and resistant to physical tests on marking
- Marking interval: every 2 feet + 1%
- The marking can be changed according to customer requirements

# TECHNICAL DATA SHEET

## INDOOR - OUTDOOR CABLE

FOSPC-0XX-X-FRLT30-FT0BZ-US / 1-12 Fibers

### Reel and Packaging Information



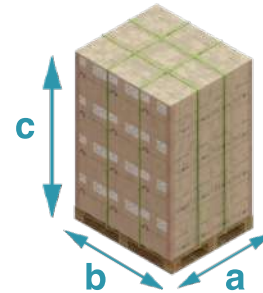
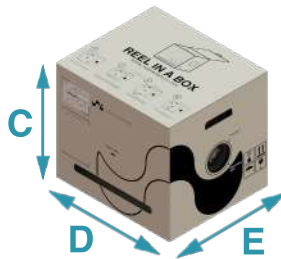
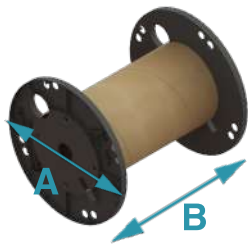
Reel supported by caddies, allowing it to rotate inside the box. Making it a more practical packaging/installation solution.



Spin control knob allows to have better reel rotation control. Allowing it to rotate freely or controlled



Pulling-eye integrated on the end of the cable, allowing easy access to the cable.



Reel Length (ft) (m) (±5%)	Reel Dimensions (mm) (in) (±5%)		Box Dimensions (mm) (in) (±5%)			Total Weight (kg) (lb) (±10%)	Pallet Capacity (ft) (m) (±5%)	Reel Qty. per Pallet.	Pallet Dimensions (mm) (in) (±5%)		
	A	B	C	D	E				a	b	c
2,000 (610)	355 (14)	445 (17.5)	395 (15.6)	500 (19.7)	407 (16.0)	846 (1,865)	60,000 (18,288)	30	2,175 (86)	1,219 (48)	1,016 (40)

Note 1: Please contact your sales agent for higher fiber counts or different drum lengths available.

Note 2: All documentation included in each drum of cable is in english, if a different language is needed, please contact your sales agent.

**All drums include:\***

1. Drum handling instructions
2. Test report certificate
3. Product description (weight, dimensions, lot and part number)
4. End cable marking
5. Both ends include end caps to protect against humidity

# TECHNICAL DATA SHEET INDOOR - OUTDOOR CABLE

FOSPC-0XX-X-FRLT30-FT0BZ-US / 1-12 Fibers

## Transmission Performance by Fiber Type

2	Single Mode			
Waveoptics® Fiber Type	G652.D	G657.A1	G657.A2	G657.B3
Waveoptics® Fiber Code	F	T	E	N
OFS® Fiber Type	G652.D	-	-	-
OFS® Fiber Code	1	-	-	-
Wavelength (nm)	1310/1550			
Max. attn. (dB/km) (1)	0.36/0.25	0.36/0.25	0.4/0.3	
Min. Bandwidth (MHz*km) (2)	-			
1-Gigabit Ethernet Distance (m) (3)	-			
10-Gigabit Ethernet Distance (m) (4)	-			
40/100-Gigabit Ethernet Distance (m)	-			
Cable Marking Specifications	G652.D	G657.A1	G657.A2	G657.B3
Notes: (1) Maximum attenuation after cabling process				

## Part Number Configuration

# FOSPC-0XX-X-FRLT30-FT0BZ-US

### Fiber Count

01 - 1 Fiber  
02 - 2 Fibers  
04 - 4 Fibers  
06 - 6 Fibers  
08 - 8 Fibers  
12 - 12 Fibers

### Waveoptics® Fiber Type

F - SM G652.D  
T - SM G657.A1  
E - SM G657.A2  
N - SM G657.B3

### OFS® Fiber Type

1 - SM G652.D

### Optical Cable Compliance

US - Waveoptics® Standard

Note: please contact your Waveoptics® distributor if you need any additional compliance or if you have questions about the part number configuration.

Folio PE-626-01-EN

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