



Reel-in-a-box

Flat Drop Cable Gel-Filled

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

Applications



Outdoor



Aerial



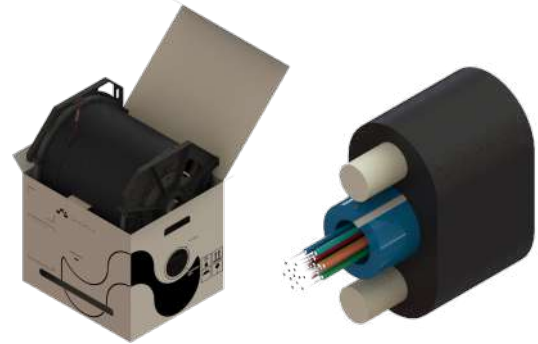
Duct Installation



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

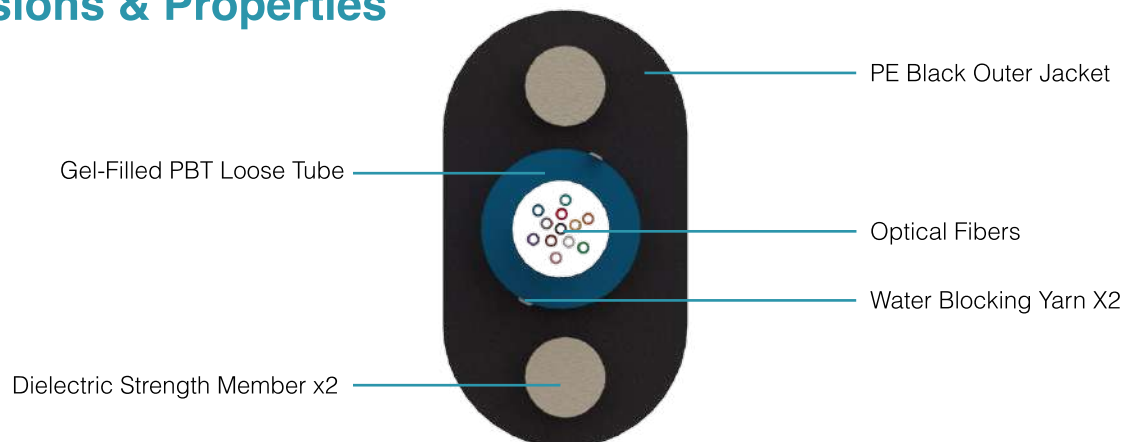
Last Review 6/17/2022


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

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Reel and Packaging Information



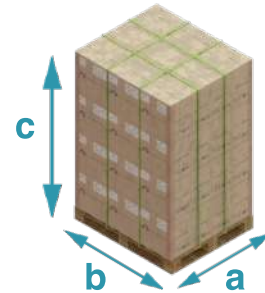
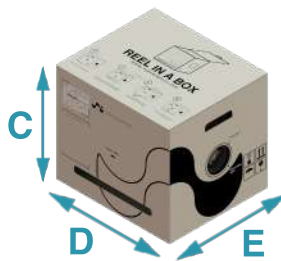
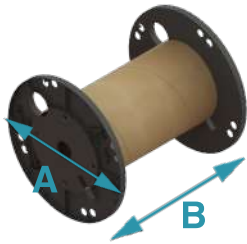
Reel supported by caddies, allowing it to rotate inside the box. Making it a more practical packaging/installation solution.



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				Multi Mode		
Waveoptics® Fiber Type	G652.D	G657.A1	G657.A2	G657.B3	OM1	OM2	OM3
Waveoptics® Fiber Code	F	T	E	N	B	L	M
OFS® Fiber Type	G652.D	AllWave® FLEX	-	-	-	-	-
OFS® Fiber Code	1	2	-	-	-	-	-
Wavelength (nm)	1310/1550				850/1300		
Max.attn. (dB/km) (1)	0.35/0.25	0.35/0.25	0.4/0.3		3.4/1	3/1	
Min. Bandwidth (MHz*km) (2)	-				200/500	750/500	1500/500
1-Gigabit Ethernet Distance (m) (3)	-				300	750	>550
10-Gigabit Ethernet Distance (m) (4)	-				-	150	300
40/100-Gigabit Ethernet Distance (m)	-				-	-	100/70
Cable Marking Specifications	G652.D	G657.A1	G657.A2	G657.B3	OM1	OM2	OM3

Notes:

- (1) Maximum attenuation after cabling process
- (2) OFL (overfilled launch) bandwidth measurement
- (3) 1-Gb/sat 850 nm transmissions based on IEEE 802.3z test protocol
- *For more information about the optical fibers, consult the corresponding data sheets.
- (4) 10-Gb/sat 850 nm transmissions based on IEEE 802.3ae test protocol
- (5) 40/100-Gb/sat 850 nm transmissions based on IEEE P802.3ba test protocol

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
B - MM OM1
L - MM OM2 TRUE BEND
M - MM OM3 TRUE BEND

OFS® Fiber Type

1 - SM G652.D
2 - AllWave® FLEX

Optical Cable Compliance

US - Waveoptics® Standard
AC - Buy American Act Compliance

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

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