Reel-in-a-box
Flat Drop Cable Dry
FOSPC-0XX-X-FRLTD30-FT0BX-US / 1-12 Fibers

Applications

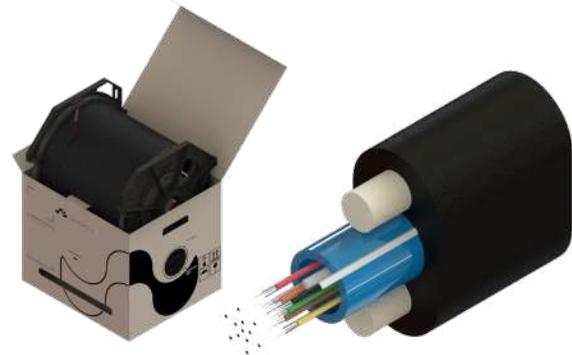Outdoor | Aerial | Duct Installation | Direct-buried | Self-supporting

Protections

UV Resistant | Water Blocking | Crush Resistant

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

Description

Waveoptics® Flat Drop Cable Dry 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 PP which provides great mechanical properties under a wide range of conditions such as crush test and impact test. Dry water blocking technology allows a cleaner and quicker installation as well as a cost-friendly cable preparation.

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.

Dimensions & Properties
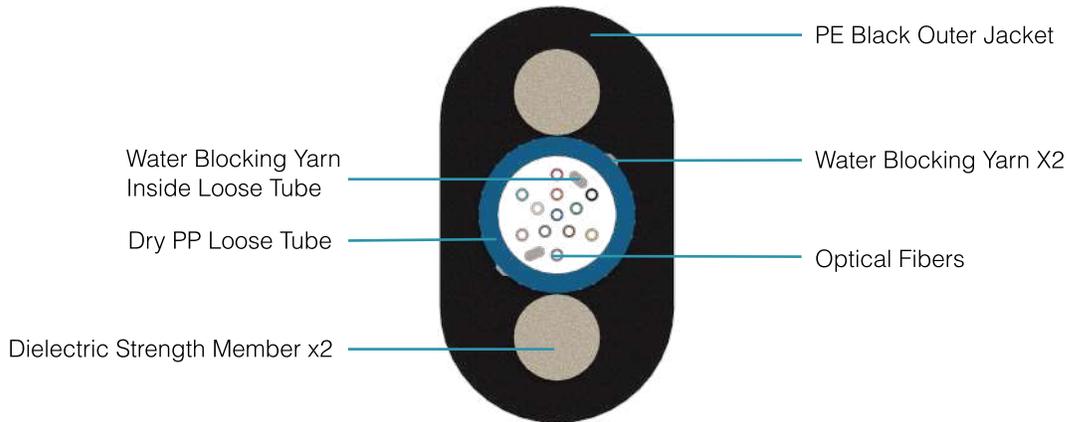
PE Black Outer Jacket

Water Blocking Yarn
Inside Loose Tube

Water Blocking Yarn X2

Dry PP Loose Tube

Optical Fibers

Dielectric Strength Member x2

Design	
Fiber count	1 - 12
Fiber Color Code	1 2 3 4 5 6 7 8 9 10 11 12
Loose Tube Material / Diameter (±5%)	PP / 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 (±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.

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	32.4 (21.7)	400 / 1,350 (90 / 303)	8.0 (±0.5) x 4.5 (±0.35) (0.32 x 0.18)	1.65 (0.064)

Printed Information on Outer Jacket

=/MONTH//YEAR/WAVEOPTICS OPTICAL CABLE+==FLAT DROP==DRY== ⌒ ==/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
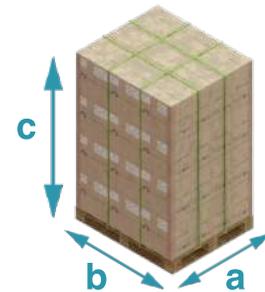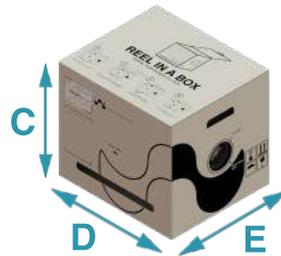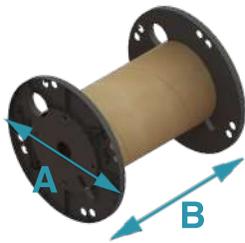
Reel and Packaging Information

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 intregated 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)	786 (1,732)	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

Transmission Performance by Fiber Type

Fiber Type	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-FRLTD30-FT0BX-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-630-01-EN

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www.waveoptics.net   info@waveoptics.net