WAVEOPTICS

Reel-in-a-box
Toneable Flat Drop Cable Dry
FOSPC-0XX-X-TFRLTD30-FT0BX-US / 1-12 Fibers

Applications

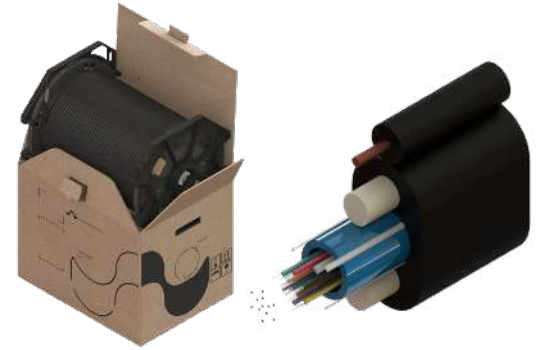Outdoor — Aerial — Duct Installation — Direct-buried — Self-supporting — Toneable

Protections

UV Resistant — Water Blocking — Crush Resistant

REEL-IN-A-BOX TONEABLE FLAT DROP CABLE DRY 12F G657.A1 FIBER FT

Description

Waveoptics® Toneable Flat Drop Cable Dry is designed for self-supporting, direct-buried and duct installations. Ideal for drop applications, offering ease of access as well as easy installation

Single loose tube 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 offer exceptional crush resistance. The FRP strength members are coated with EAA for improved adherence.

Copper toning conductor allows effortless detection in direct-buried installation.

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-20: Generic requirements for optical fiber and optical fiber cable.
- ANSI/ICEA S-110-717: Standard for optical fiber drop cable
- IEC 60794: Basic requirements for optical fiber.

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.
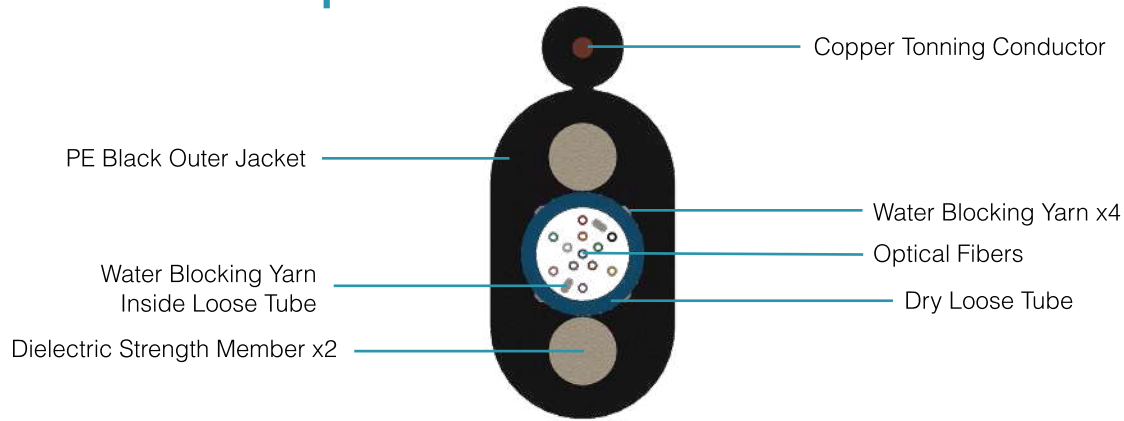
Dimensions & Properties

Copper Tonning Conductor

PE Black Outer Jacket

Water Blocking Yarn x4

Optical Fibers

Water Blocking Yarn Inside Loose Tube

Dry Loose Tube

Dielectric Strength Member x2

Design	
Fiber per Tube	1 - 12
Fiber Color Code	1 2 3 4 5 6 7 8 9 10 11 12
Loose Tube Diameter (±5%)	3.0 mm (0.12 in)
Dielectric Strength Member Diameter / Material	1.65 mm / EAA Coated FRP
Outer Jacket Material	Polyethylene
Toning Conductor	24 AWG copper wire
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.

Fiber Count	Cable Weight (kg/km) (lb/kft) (±10%)	Tensile Strength (N)(lbf) Long-Term/Short-Term	Nominal Outer Diameter (mm)(in)	Dielectric Strength Member (mm)(in)
1-12	48 (32)	400 / 1,350 (90 / 303)	10±0.65 x 4.5±0.5 (0.39 x 0.17)	1.65 (0.065)

Folio PE-554-01-EN

Last Review 7/8/2024

Printed Information on Outer Jacket

= /XXXX/FT= = /MONTH/ /YEAR/ /BRAND/ OPTICAL CABLE= = ⌒ = = /LOT# /= = FLAT DROP== TONEABLE= = DRY= = /FIBER COUNT/= = /FIBER TYPE/=

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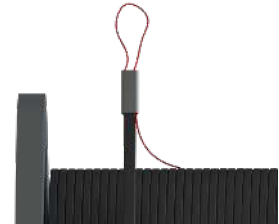- The marking can be changed according to customer requirements
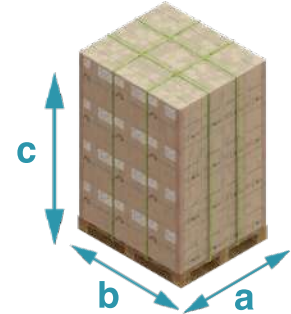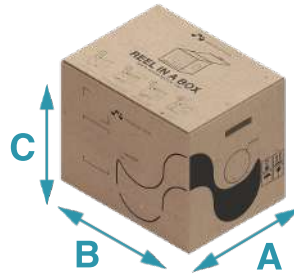
Reel and Packaging Information

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%)	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				a	b	c
2,000 (610)	407 (16.0)	500 (19.7)	395 (15.6)	990 (2,183)	60,000 (18,288)	30	1,016 (40)	1,219 (48)	2,175 (86)

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
Waveoptics® Fiber Code	F	T
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
Cable Marking Specifications	G652.D	G657.A1

Notes:
(1) Maximum attenuation after cabling process.

Part Number Configuration

FOSPC-0XX-X-TFRLTD30-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

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.