



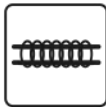
Central Loose Tube Single-Armored Flat Ribbon Fiber Cable Dry

FOSPC-XXX-X-RSJSADUT-FTXXX-US / 12-288 Fibers

Applications



Outdoor



Lashed



Duct Installation



Direct-buried



Protections



UV Resistant



Water Blocking



Rodent Deterrent



Crush Resistant



Impact Resistant

CENTRAL LOOSE TUBE SINGLE-ARMORED FLAT RIBBON FIBER CABLE DRY 24F G652D FT

Description

Waveoptics® Central Loose Tube Single-Armored Flat Ribbon Fiber Cables Dry are designed for outdoor applications, these cables can be duct-buried as well as aerial (lashed) installation, and they are known because of their outstanding carrying capacity and compact design.

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.

Corrugated steel armor makes a rugged cable rodent deterrent and offers exceptional performance against compression.

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.
- IEC 60794: Basic requirements for optical fiber and cable elements.
- ANSI/ICEA S-87-640: Standard for optical fiber outside plant communications 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-650-01-EN

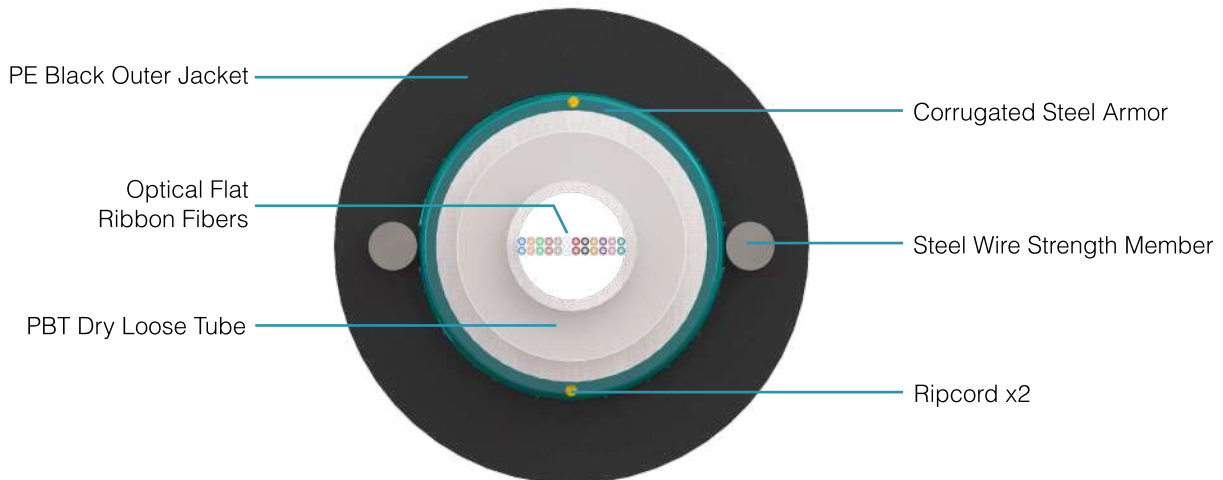
Last Review 2/28/2023


TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-RSJSADUT-FTXXX-US / 12-288 Fibers

Dimensions & Properties



Design	
Fiber per tube	12 - 288
Fiber Color Code	 *Note: Each sub-unit of 12 fibers is marked with its corresponding number of identification.
Strength Member Material / Diameter	Steel / 1.4 mm (0.06 in)
Outer Jacket Material / Thickness	Polyethylene / 2.4 mm (0.09)
Inner Tube Material	PBT
Drum Length	12-96 F: 20,000 ft (±5%) 144 F: 15,000 ft (±5%) 216-288 F: 10,000 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/100mm / 1,100 N/100mm
Tensile Strength (Short-Term / Long-Term)	2,700 N / 900 N
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.

Folio PE-650-01-EN

Last Review 2/28/2023

TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-RSJSADUT-FTXXX-US / 12-288 Fibers

Dimensions & Properties

Fiber Count	Ribbon per Tube	Fibers per Ribbon	Tensile Strength (N) (lbf) Short-Term / Long-Term	Cable Weight (kg/km) (lb/kft) (±10%)	PBT Central Loose Tube Diameter (mm) (in) (±5%)	Nominal Outer Diameter (mm) (in) (±5%)
12	1	12	2,700/900 (607 / 202)	162 (109)	6.6 (0.26)	13.7 (0.54)
24	2	12	2,700/900 (607 / 202)	163 (110)	6.6 (0.26)	13.7 (0.54)
36	3	12	2,700/900 (607 / 202)	180 (121)	7.6 (0.30)	14.7 (0.59)
48	4	12	2,700/900 (607 / 202)	182 (122)	7.6 (0.30)	14.7 (0.59)
60	5	12	2,700/900 (607 / 202)	190 (128)	7.9 (0.31)	15.0 (0.59)
72	6	12	2,700/900 (607 / 202)	190 (128)	7.9 (0.31)	15.0 (0.59)
96	8	12	2,700/900 (607 / 202)	200 (134)	8.6 (0.34)	15.7 (0.62)
144	12	12	2,700/900 (607 / 202)	220 (148)	9.4 (0.37)	16.5 (0.65)
216	9	24	2,700/900 (607 / 202)	295 (198)	13.0 (0.51)	20.1 (0.79)
288	12	24	2,700/900 (607 / 202)	310 (209)	13.8 (0.54)	20.9 (0.82)

Printed Information on Outer Jacket

==/MONTH//YEAR/WAVEOPTICS/OPTICAL CABLE ==RSJSADUT==  ==/FIBER TYPE//FIBER COUNT//FEET*/FT==/LOT#/=

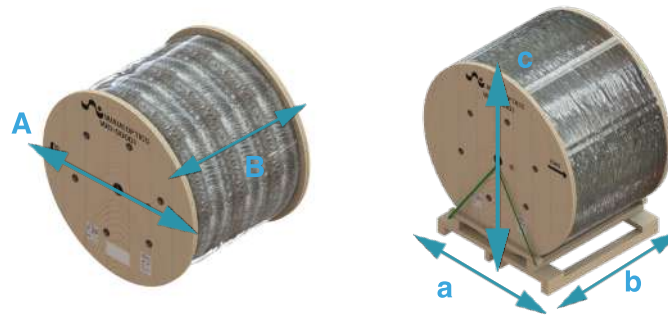
- Printed in white and resistant to physical tests on marking
- Marking interval: every 2 feet + 1% or 1 meter + 1%

TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-RSJSADUT-FTXXX-US/12-288 Fibers

Drum Dimensions and Pallet Packaging Information



Drum Length (ft) (m) (±5%)	Fiber Count	A (mm) (in) (±5%)	B (mm) (in) (±5%)	Drum and Pallet Total Weight (kg) (lb) (±10%)	Total Packaging (±5%)		
					a (mm) (in)	b (mm) (in)	c (mm) (in)
20,000 (6,096)	12	1,500 (59)	1,100 (43)	1,168 (2,575)	1,500 (59)	1,219 (48)	1,619 (64)
	24	1,500 (59)	1,100 (43)	1,175 (2,591)	1,500 (59)	1,219 (48)	1,619 (64)
	36	1,600 (63)	1,100 (43)	1,302 (2,871)	1,600 (63)	1,219 (48)	1,721 (68)
	48	1,600 (63)	1,100 (43)	1,314 (2,897)	1,600 (63)	1,219 (48)	1,721 (68)
	60	1,700 (67)	1,100 (43)	1,373 (3,027)	1,700 (63)	1,219 (48)	1,721 (68)
	72	1,700 (67)	1,100 (43)	1,373 (3,027)	1,700 (63)	1,219 (48)	1,721 (68)
	96	1,700 (67)	1,100 (43)	1,435 (3,164)	1,700 (63)	1,219 (48)	1,721 (68)
15,000 (4,572)	144	1,800 (71)	1,100 (43)	1,241 (2,736)	1,800 (71)	1,219 (48)	1,924 (76)
10,000 (3,048)	216	1,800 (71)	1,100 (43)	1,135 (2,502)	1,800 (71)	1,219 (48)	1,924 (76)
	288	1,800 (71)	1,100 (43)	1,180 (2,601)	1,800 (71)	1,219 (48)	1,924 (76)

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

Folio PE-650-01-EN

Last Review 2/28/2023

TECHNICAL DATA SHEET OUTDOOR CABLE

FOSPC-XXX-X-RSJSADUT-FTXXX-US/12-288 Fibers

Transmission Performance by Fiber Type

Fiber Type	Single Mode	
Waveoptics® Fiber Type	G652.D	G657.A1
Waveoptics® Fiber Code	F	T
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-XXX-X-RSJSADUT-FTXXX-US

Fiber Count

012- 12 Fibers 072 - 72 Fibers
 024- 24 Fibers 096 - 96 Fibers
 036- 36 Fibers 144 - 144 Fibers
 048- 48 Fibers 216 - 216 Fibers
 060- 60 Fibers 288 - 288 Fibers

Waveoptics® Fiber Type

F - SM G652.D
 T - SM G657.A1

Drum Length

0BJ - 10,000 ft
 0BS - 15,000 ft
 0BW - 20,000 ft

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.