



# Central Loose Tube Armored Cable Gel-Filled / PBT

## FOSPC-0XX-X-SJSAUT8-FT002-US / 1-12 Fibers

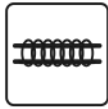
### Applications



Outdoor



Duct Installation



Lashed



Direct-buried

### Protections



UV Resistant



Water Blocking



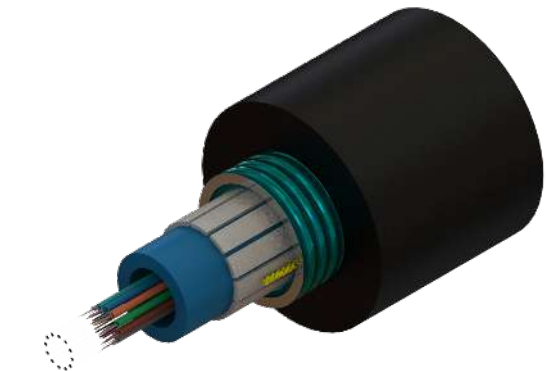
Crush Resistant



Rodent Deterrent



Impact Resistant



CENTRAL LOOSE TUBE ARMORED CABLE 12F  
G652.D FIBER FT

### Description

Waveoptics® Central Loose Tube Armored Cable is designed for direct-buried installation, as well as for duct and aerial (lashed) 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 and durable cable, providing superior protection against UV radiation, fungus, abrasion and other environmental factors.

Two ripcords ensure a quick fiber access.

The cable contains water blocking glass yarn that helps increase tensile strength and also provides protection against water penetration.

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/ICEAS-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.

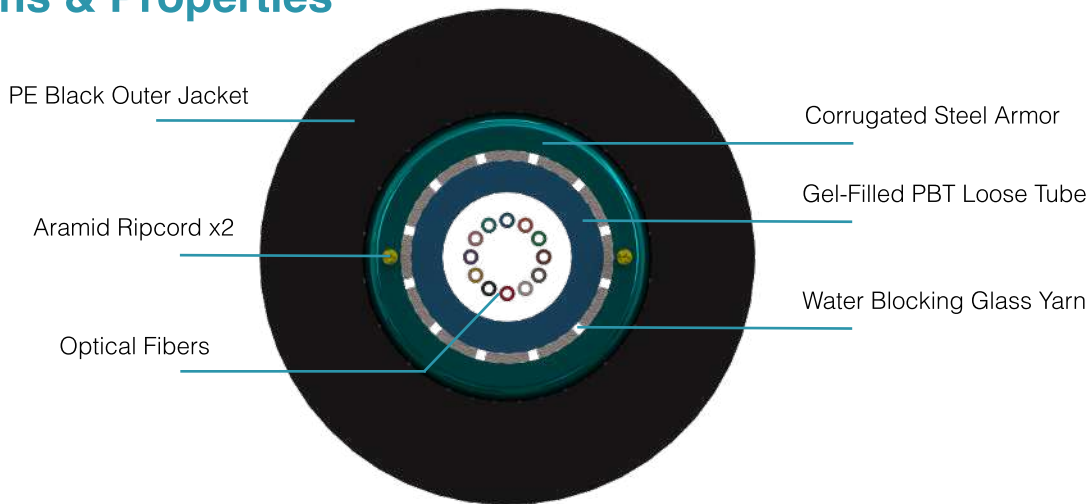
Folio PE-578-01-EN


Last Review 8/9/2023

# TECHNICAL DATA SHEET OUTDOOR CABLE

FOSPC-0XX-X-SJSAUT8-FT002-US / 1-12 Fibers

## Dimensions & Properties



Design	
Fiber per Ribbon	1 - 12
Fiber Color Code / Loose Tube Color Code	
Dielectric Peripheral Strength Member	Water Blocking Glass Yarn
Outer Jacket Material / Thickness	Polyethylene / 1.9 mm (0.06 in)
Inner Tube Material / Diameter	PBT / 3 mm (0.12 in)
Drum Length	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/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.

Folio PE-578-01-EN

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# TECHNICAL DATA SHEET OUTDOOR CABLE

FOSPC-0XX-X-SJSAUT8-FT002-US / 1-12 Fibers

## Dimensions & Properties

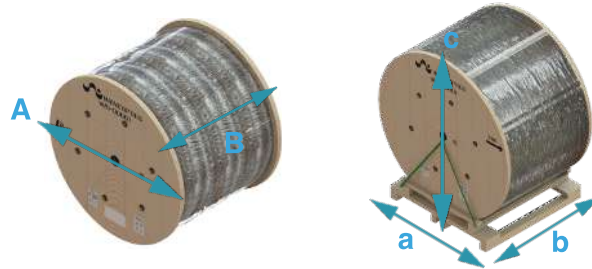
Fiber Count	Cable Weight (kg/km) (lb/kft) (±10%)	Tensile Strength (N) (lbf) Long-Term / Short-Term	Nominal Outer Diameter (mm) (in) (±5%)
1 - 12	80 (52)	445 / 1,335 (100 / 300)	8.2 (0.32)

## Printed Information on Outer Jacket

==/MONTH//YEAR / WAVEOPTICS OPTICAL CABLE==SJSA==UT==82==  ==/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

## 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)
10,000 (3,048)	1-12	1,000 (39)	780 (31)	335 (738)	965 (38)	914 (36)	1,121 (44)

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.

Note 3: FONCS recommends storing the reel in a suitable place avoiding exposure to humidity, rain and/or any type of demanding environmental exposure.

### All drums include:\*

1. Drum handling instructions
2. Test report certificate
3. Product description (weight, dimensions, lot and part number)

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# TECHNICAL DATA SHEET OUTDOOR CABLE

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## Transmission Performance by Fiber Type

Fiber Type	Single Mode	
	Waveoptics® Fiber Type	Waveoptics® Fiber Code
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-SJSAUT8-FT002-US

Fiber Count	Waveoptics® Fiber Type	OFS® Fiber Type	Optical Cable Compliance
01 - 1 Fiber 02 - 2 Fibers 04 - 4 Fibers 06 - 6 Fibers 08 - 8 Fibers 12 - 12 Fibers	F - SM G652.D T - SM G657.A1	1 - SM G652.D	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-578-01-EN

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