



Loose Tube Single-Jacket Single-Armored Cable Gel-Filled / PBT

FOSPC-XXX-X-SJSA-FT002-US / 2-432 Fibers

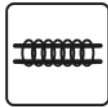
Applications



Outdoor



Duct Installation



Lashed



Direct-buried

Protections



UV Resistant



Water Blocking



Crush Resistant

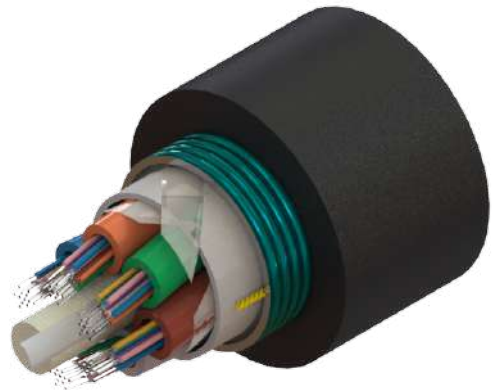


Rodent Deterrent



Impact Resistant

Description



LOOSE TUBE SINGLE-ARMORED SINGLE-JACKET
CABLE GEL-FILLED 72F G.652D FIBER FT

Waveoptics® Loose Tube Single-Armored Single-Jacket Cable gel-filled is designed for direct-buried installation, as well as for duct and aerial (lashed) installation.

Loose tubes made of PBT are more flexible and allow an easier installation and routing, and are 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.

The SZ-stranded method for loose tubes and two ripcords ensure a quick and easy mid-span access.

Dielectric central strength member requires no bonding or grounding.

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-305-01-EN

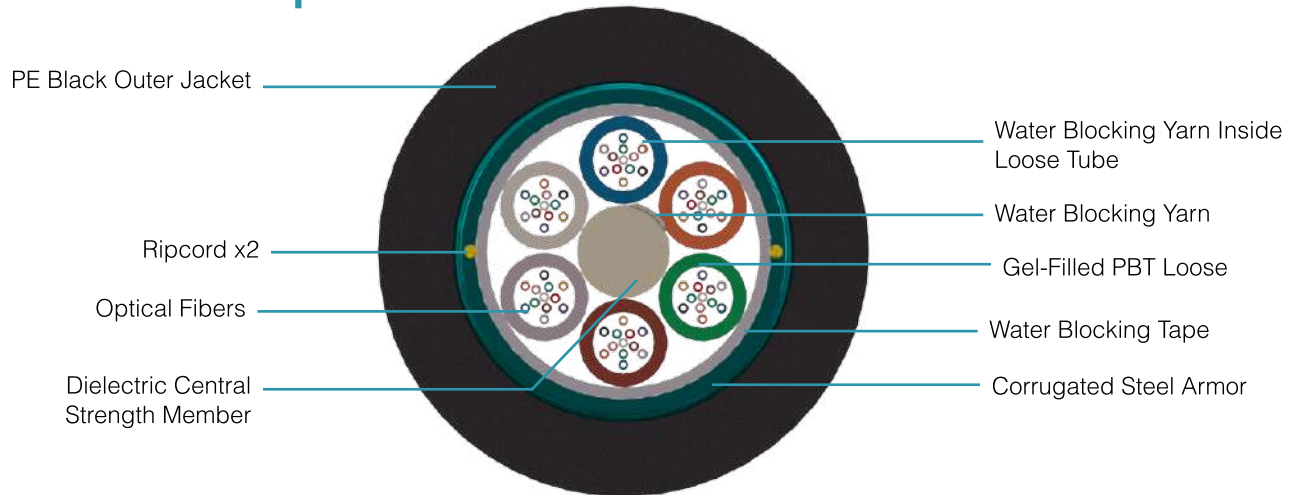
Last Review 2/28/2023

TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-SJSA-FT002-US / 2-432 Fibers

Dimensions & Properties



Design																																					
Fiber per Tube	2 - 12																																				
Fiber Color Code	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td> </tr> <tr> <td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td> </tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1	2	3	4	5	6	7	8	9	10	11	12																										
13	14	15	16	17	18	19	20	21	22	23	24																										
25	26	27	28	29	30	31	32	33	34	35	36																										
Dielectric Central Strength Member	FRP																																				
Outer Jacket Material / Thickness	Polyethylene / 1.6 mm (0.06 in)																																				
Loose Tube Material / Diameter	PBT / 2.5 mm (0.1 in)																																				
Drum Length	10,000 ft, 15,000 ft & 20,000 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)	4,400 N/100 mm / 2,200 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

OUTDOOR CABLE

FOSPC-XXX-X-SJSA-FT002-US / 2-432 Fibers

Dimensions & Properties

Fiber Count	Loose Tube / Fillers	Cable Weight (kg/km) (lb/kft) (±10%)	Tensile Strength (N) (lbf) Long-Term/Short-Term	Nominal Outer Diameter (mm) (in) (±5%)	Dielectric Central Strength Member Diameter (mm) (in) (Without PE / With PE)
2-12	1/5	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
24	2/4	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
36	3/3	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
48	4/2	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
60	5/1	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
72	6/0	150 (101)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
96	8/0	185 (124)	890/2,700 (200/607)	14.1 (0.56)	3/4.2 (0.12/0.17)
144	12/0	267 (180)	890/2,700 (200/607)	17.3 (0.68)	3/7.4 (0.12 / 0.29)
192	16/2	281 (189)	890/2,700 (200/607)	18 (0.71)	2.6 (0.1)
216	18/0	281 (189)	890/2,700 (200/607)	18 (0.71)	2.6 (0.1)
288	24/0	360 (242)	890/2,700 (200/607)	20.4 (0.80)	3/5 (0.12/0.2)
432	36/0	459 (308)	890/2,700 (200/607)	23.5 (0.93)	2.6 (0.1)

Printed Information on Outer Jacket

==/MONTH//YEAR/WAVEOPTICS OPTICAL CABLE + == SJSA ==  ==/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

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Last Review 2/28/2023

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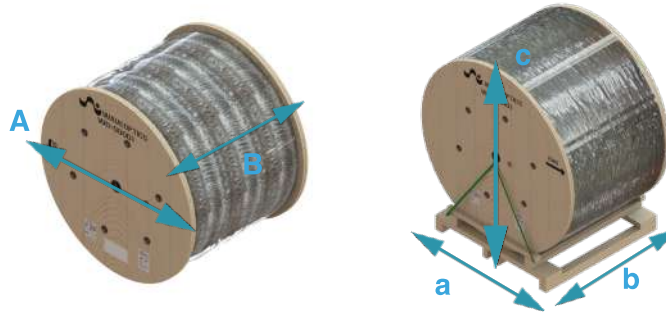
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TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-SJSA-FT002-US / 2-432 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)
10,000 (3,048)	2-72	1,200 (47)	950 (37)	610 (1,344)	1,200 (47)	1,168 (46)	1,321 (52)
	96	1,200 (47)	1,000 (39)	722 (1,591)	1,219 (48)	1,219 (48)	1,321 (52)
	144	1,650 (65)	1,000 (39)	1,120 (2,469)	1,650 (65)	1,219 (48)	1,771 (70)
	192-216	1,650 (65)	1,000 (39)	1,109 (2,445)	1,650 (65)	1,219 (48)	1,771 (70)
	288	1,770 (70)	1,000 (39)	1,361 (3,000)	1,770 (70)	1,219 (48)	1,891 (74)
	432	1,950 (77)	1,000 (39)	1,735 (3,826)	1,950 (77)	1,219 (48)	2,071 (82)
15,000 (4,572)	2-72	1,470 (58)	1,000 (39)	904 (1,993)	1,470 (58)	1,219 (48)	1,591 (63)
	96	1,650 (65)	1,000 (39)	1,098 (2,421)	1,650 (65)	1,219 (48)	1,771 (70)
	144	1,770 (70)	1,000 (39)	1,561 (3,441)	1,770 (70)	1,219 (48)	1,891 (74)
	192-216	1,770 (70)	1,000 (39)	1,548 (3,413)	1,770 (70)	1,219 (48)	1,891 (74)
	288	1,950 (77)	1,000 (39)	1,982 (3,731)	1,950 (77)	1,219 (48)	2,071 (82)
20,000 (6,096)	2-72	1,650 (65)	1,000 (39)	1,167 (2,572)	1,650 (65)	1,219 (48)	1,771 (70)
	96	1,770 (70)	1,000 (39)	1,404 (3,095)	1,770 (70)	1,219 (48)	1,891 (74)
	144	1,950 (77)	1,000 (39)	2,049 (4,518)	1,950 (77)	1,219 (48)	2,071 (82)
	192-216	1,950 (77)	1,000 (39)	2,049 (4,518)	1,950 (77)	1,219 (48)	2,071 (82)

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

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TECHNICAL DATA SHEET OUTDOOR CABLE

FOSPC-XXX-X-SJSA-FT002-US / 2-432 Fibers

Transmission Performance by Fiber Type

Fiber Type	Single Mode			
	G652.D	G657.A1	G657.A2	G655.C
Waveoptics® Fiber Type	G652.D	G657.A1	G657.A2	G655.C
Waveoptics® Fiber Code	F	T	E	G
OFS® Fiber Type	G652.D	-	-	-
OFS® Fiber Code	1	-	-	-
Wavelength (nm)	1310/1550			1550/1625
Max.attn. (dB/km) (1)	0.36/0.25		0.4/0.3	0.25/0.27
Min. Bandwidth (MHz*km) (2)	-			
1-Gigabit Ethernet Distance (m) (3)	-			
10-Gigabit Ethernet Distance (m) (4)	-			
40/100-Gigabit Ethernet Distance (m) (5)	-			
Cable Marking Specifications	G652.D	G657.A1	G657.A2	G655.C

Notes:

(1) Maximum attenuation after cabling process

Part Number Configuration

FOSPC-XXX-X-SJSA-FT002-US

Fiber Count

002 - 2 Fibers
004 - 4 Fibers
006 - 6 Fibers
008 - 8 Fibers
012 - 12 Fibers
024 - 24 Fibers
036 - 36 Fibers
048 - 48 Fibers
060 - 60 Fibers
072 - 72 Fibers
096 - 96 Fibers
144 - 144 Fibers
192 - 192 Fibers
216 - 216 Fibers
288 - 288 Fibers
432 - 432 Fibers

Waveoptics Fiber Type

F - SM G652.D
T - SM G657.A1
E - SM G657.A2
G - SM G655.C

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.

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