



Loose Tube Single-Jacket Single-Armored Cable DRY

FOSPC-XXX-X-SJSAD-FT000-US / 6-432 Fibers

Installation



Outdoor



Direct-buried



Lashed



Duct Installation



Easy Stripping



Flexible Loose Tubes

Protections



Water Blocking



UV Resistant



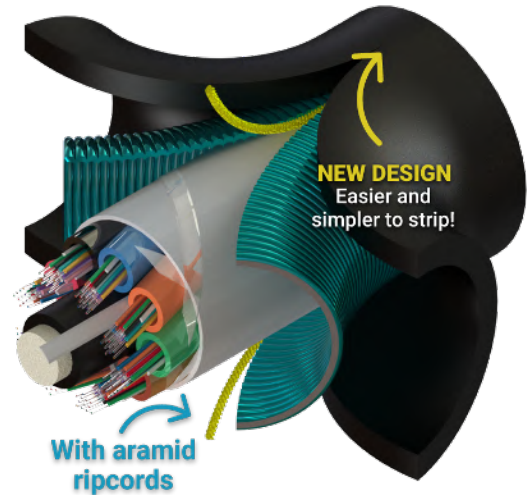
Crush Resistant



Rodent Deterrent



Impact Resistant



BUY AMERICAN ACT
COMPLIANT PRODUCT ✓

Description

The Waveoptics® **Loose Tube Single-Armored Single-Jacket Dry Cable** is designed for **direct-buried installations**, as well as for duct and aerial installations via lashing.

Its **corrugated steel armor** makes it a rugged cable that performs exceptionally against compression. A **Polyethylene outer jacket** with additives provides superior protection against environmental factors. A **new upgraded design** with two aramid ripcords allows for **quick and easy** stripping.

It requires **no bonding** or grounding with its **dielectric central strength member**. With **gel-free** water blocking technology makes for a **cleaner**, hassle-free installation.

Quality

Waveoptics® is an ISO-9001:2015 certified company. We meet or exceed the following international standards for outdoor fiber optic cable performance and manufacturing requirements:

- ✓ **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 for performed tests in our quality laboratory.

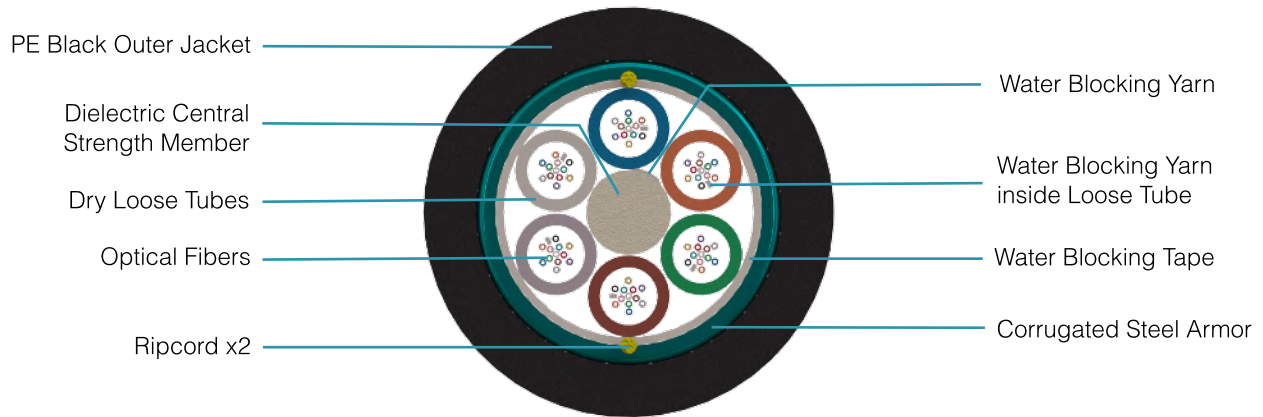
Folio PE-405-01-EN

Last Review 4/15/2024

TECHNICAL DATA SHEET OUTDOOR CABLE

FOSPC-XXX-X-SJSAD-FT000-US / 6-432 Fibers

Dimensions & Properties



Design																																					
Fiber per Tube	6 - 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 Diameter	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.

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TECHNICAL DATA SHEET

OUTDOOR CABLE

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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)
6-12	1/5	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
24	2/4	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
36	3/3	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
48	4/2	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
60	5/1	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
72	6/0	157 (105)	890/2,700 (200/607)	12.5 (0.49)	2.6 (0.1)
96	8/0	170 (114)	890/2,700 (200/607)	14.1 (0.56)	3/4.2 (0.12/0.17)
144	12/0	241 (162)	890/2,700 (200/607)	17.3 (0.68)	3/7.4 (0.12 / 0.29)
192	16/2	275 (185)	890/2,700 (200/607)	18 (0.71)	2.6 (0.1)
216	18/0	275 (185)	890/2,700 (200/607)	18 (0.71)	2.6 (0.1)
288	24/0	296 (199)	890/2,700 (200/607)	20.4 (0.80)	3/5 (0.12/0.2)
432	36/0	353 (237)	890/2,700 (200/607)	23.5 (0.93)	2.6 (0.1)

Printed Information on Outer Jacket

==/MONTH//YEAR/WAVEOPTICS OPTICAL CABLE == SJSAD ==PP==  ==/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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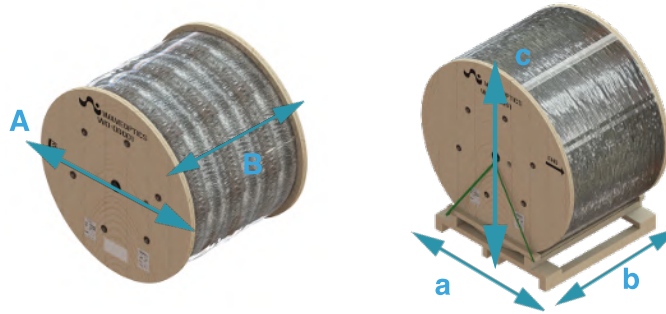
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TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-SJSAD-FT000-US / 6-432 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)	631 (1,391)	1,200 (47)	1,170 (46)	1,340 (53)
	96	1,200 (47)	1,020 (40)	676 (1,490)	1,220 (48)	1,220 (48)	1,340 (53)
	144	1,650 (65)	1,000 (39)	987 (2,176)	1,650 (65)	1,220 (48)	1,790 (70)
	192-216	1,650 (65)	1,000 (39)	1,091 (2,405)	1,650 (65)	1,220 (48)	1,790 (70)
	288	1,770 (70)	1,000 (39)	1,166 (2,571)	1,770 (70)	1,220 (48)	1,910 (75)
	432	1,950 (77)	974 (38)	1,413 (3,115)	1,950 (77)	1,220 (48)	2,090 (82)
15,000 (4,572)	2-72	1,470 (58)	1,000 (39)	936 (2,064)	1,470 (58)	1,220 (48)	1,610 (63)
	96	1,650 (65)	1,000 (39)	1,030 (2,271)	1,650 (65)	1,220 (48)	1,790 (70)
	144	1,770 (70)	1,000 (39)	1,365 (3,009)	1,770 (70)	1,220 (48)	1,910 (75)
	192-216	1,770 (70)	1,000 (39)	1,521 (3,353)	1,770 (70)	1,220 (48)	1,910 (75)
	288	1,950 (77)	974 (38)	1,690 (3,726)	1,950 (77)	1,220 (48)	2,090 (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:*

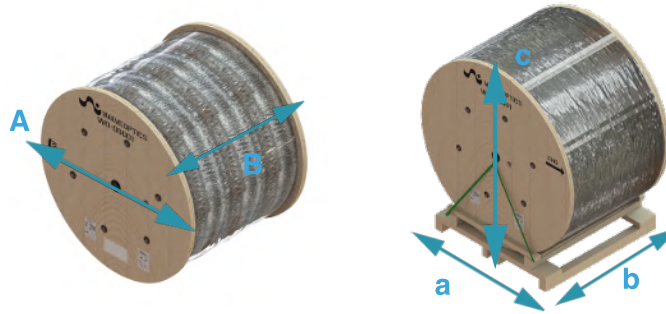
1. Drum handling instructions
2. Test report certificate
3. Product description (weight, dimensions, lot and part number)
4. End cable marking
5. Both ends include end caps to protect against humidity

TECHNICAL DATA SHEET

OUTDOOR CABLE

FOSPC-XXX-X-SJSAD-FT000-US / 6-432 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)
20,000 (6,096)	2-72	1,650 (65)	1,000 (39)	1,210 (2,668)	1,650 (65)	1,220 (48)	1,790 (70)
	96	1,770 (70)	1,000 (39)	1,313 (2,895)	1,770 (70)	1,220 (48)	1,910 (75)
	144	1,950 (77)	974 (38)	1,806 (3,982)	1,950 (77)	1,220 (48)	2,090 (82)
	192-216	1,950 (77)	974 (38)	2,013 (4,438)	1,950 (77)	1,220 (48)	2,090 (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-SJSAD-FT000-US / 6-432 Fibers

Transmission Performance by Fiber Type

Fiber Type	Single Mode		
Waveoptics® Fiber Type	G652.D	G657.A1	G657.A2
Waveoptics® Fiber Code	F	T	E
OFS® Fiber Type	G652.D	-	-
OFS® Fiber Code	1	-	-
Wavelength (nm)	1310/1550		
Max.attn. (dB/km) (1)	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) (5)	-		
Cable Marking Specifications	G652.D	G657.A1	G657.A2

Notes:

(1) Maximum attenuation after cabling process

Part Number Configuration

FOSPC-XXX-X-SJSAD-FT000-US

Fiber Count	Waveoptics Fiber Type	OFS® Fiber Type	Optical Cable Compliance
006 - 6 Fibers	F - SM G652.D	1 - SM G652.D	US- Waveoptics® Standard
008 - 8 Fibers	T - SM G657.A1		
012 - 12 Fibers	E - SM G657.A2		
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			

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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