# UV Resistant Tight Buffer 900um Cable
## FOSPC-09-X-S-XU-XXX-EX / 01 Fiber
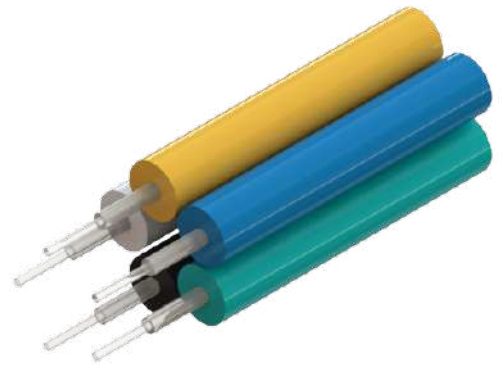
## Description

Waveoptics UV Resistant Tight Buffer 900um Cable is designed for indoor/outdoor applications. The size of the tight buffer is compatible with existing tooling and also fits a vast number of connectors. The following jacket colors are available: yellow, blue, aqua, white and black.

The following jacket materials are available:

**PVC RISER UV:** used in vertical installations. Prevents the spread of flames to higher floors, in case of fire. Riser cable jackets are rated for flame generation and are held to a lower standard compared to plenum cables.

**PVC PLENUM UV:** ideal for applications in spaces with good air circulation, such as low ceilings or under elevated floors. Resistant to fire and produces low smoke when burned. Cable jackets used in plenum spaces are rated for both flame and smoke generation.

All the jackets offer UV protection.

## Quality

Waveoptics is a ISO-9001: 2015 certified company.

We meet or exceed the following international standards:

- IEC 60794: Basic requirements for optical fiber and cable elements.
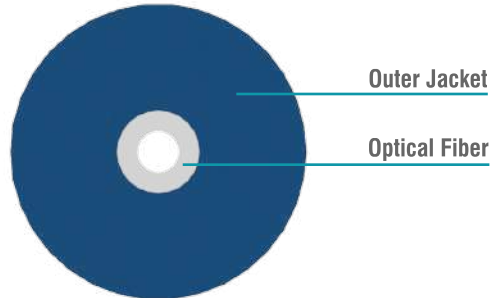
Each Waveoptics cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.
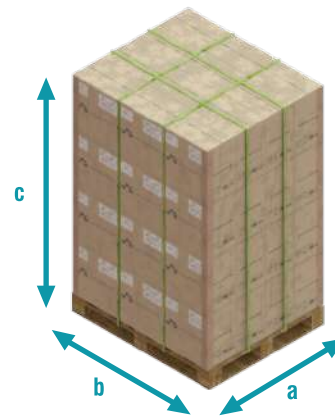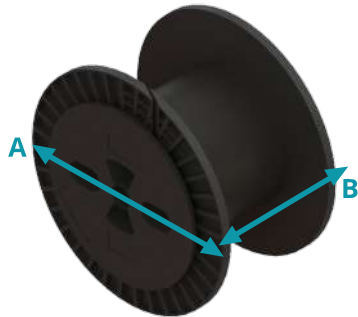
## Applications:

Indoor　　Outdoor　　Bend Insensitive

## Protections:

Flame Retardant　　UV Resistant　　RISER Riser Cable　　PLENUM Plenum Cable

# Dimensions and Properties

FOSPC-09-X-S-XU-XXX-EX / 1 fiber



**Outer Jacket**

**Optical Fiber**

TIGHT BUFFER 900UM OFNR UV BLUE 01F G652.D S EX

| Design | |
|---|---|
| Fiber count | 1 |
| Tight buffer material* | PVC Riser UV / PVC Plenum UV |
| Nominal outer diameter | 0.9 mm (0.04 in) (±5%) |
| Reel length | 2 km (6,562 ft) (±5%) |
| Temperature range | |
| Operation | 0°C to 70°C (32°F to 158°F) |
| Installation | 0°C to 60°C (32°F to 140°F) |
| Storage / transport | -40°C to 70°C (-40°F to 158°F) |
| Mechanical properties | |
| Tensile strength (long-term / short-term) | 3 N (0.67 lbf)    /    6 N (1.35 lbf) |
| Minimum bend radius (operation / installation) | 25 mm (1 in) / 50 mm (2 in) |

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.
*LSZH jacket also available upon request.

| Material | Weight (kg/km) (lb/kft) (±10%) |
|---|---|
| PVC Riser UV | 0.84 (0.56) |
| PVC Plenum UV | 0.97 (0.65) |

![WAVEOPTICS logo]

## Reel Dimensions and Pallet Packaging Information

### FOSPC-09-X-S-XU-XXX-EX / 1 fiber





| Tight buffer material | Reel length (m) (ft) (±5%) | A (mm) (in) (±5%) | B (mm) (in) (±5%) | Reel weight (kg) (lb) (±10%) | Pallet capacity (m) (ft) (±5%) | a (mm) (in) (±5%) | b (mm) (in) (±5%) | c (mm) (in) (±5%) |
|---|---|---|---|---|---|---|---|---|
| PVC Riser UV | 2,000 (6,562) | 265 (10) | 170 (7) | 3.1 (6.8) | 240,000 (787,402) | 1,100 (43) | 1,200 (47) | 1,796 (71) |
| PVC Plenum UV | | | | 3.3 (7.4) | | | | |

Note 1: please contact your sales agent for different reel lengths available.
*Note 2: all documentation included in the packaging is in english, if a different language is needed, please contact your sales agent.

Packaging includes*:                                                    3.- Product description (weight, dimensions, lot and part number).
1.- Reel handling instructions.
2.- Test report certificate.

## Transmission Performance by Fiber Type

| Fiber type | Single Mode | | | |
|---|---|---|---|---|
| Waveoptics fiber type | G652.D | G657.A1 | G657.A2 | G657.B3 |
| Waveoptics fiber code | F | T | E | N |
| OFS® fiber type | G652.D | AllWave® FLEX | AllWave® FLEX+ | EZ-Bend® |
| OFS® fiber code | 1 | 2 | 3 | 6 |
| Wavelength (nm) | 1310/1550 | | | |
| Max. attn. (dB/km) (1) | 0.4/0.3 | 0.4/0.3 | 0.4/0.3 | 0.4/0.3 |

Notes:
(1) Maximum attenuation after cabling process.
*For more information about the optical fibers, consult the corresponding data sheets.

## Part Number Configuration

### FOSPC-09-X-S-XU-XXX-EX

**Waveoptics optical fiber type**

F - SM G652.D
T - SM G657.A1
E - SM G657.A2
N - SM G657.B3

**OFS® optical fiber type**

1 - SM G652.D
2 - AllWave® FLEX
3 - AllWave® FLEX+
6 - EZ-Bend®

**Jacket material**

R - PVC Riser UV
P - PVC Plenum UV

**Outer jacket color**

YEL - Yellow
BLU - Blue
AQU - Aqua
WHI - White
BLA - Black

### Optical cable compliance

EX - Waveoptics standard

AC - Buy American Act compliance

Note: please contact your Waveoptics distributor if you need any additional compliance or if you have questions about the part number configuration.