



**Product:** [FSSR144N0](#) 

Outdoor Flexible Ribbon SWR® OS2 144 Fibers OSP Central Tube

## Product Description

FX Outdoor, Flexible Ribbon SWR®, OS2, 144 Fibers, OSP, Central Tube, Black Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Ribbon Cable
Suitable Applications:	Data Center Inter-Building Connections, Campus LAN, Pulled-In Duct

### Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

### Outer Jacket Specifications

Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.430 in (11.0 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 m	--

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	61 lbs/kft (90 kg/km)

### Temperature Range

Installation Temperature Range:	-30°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

### Standards and Compliance

Environmental Suitability:	Outdoor
ICEA Compliance:	S-87-640

TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	Telcordia GR-20
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.5 Revision Date: 04-16-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type
FSSR144N0	Black	Reel

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