



**Product:** [TF-SC0-024-RI5](#)

Factory, In+Outdoor, CLT, OS2, 24f, Gel Tube 3.8mm, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

## Product Description

Factory Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 24 Fibers, Gel Filled Tube 3.8mm, Aluminum Interlock Armor, Double Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

## Technical Specifications

### Product Overview

Product Category:	Fiber Central Loose Tube Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Rodent Proof

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	24
Subunit Waterblocking:	Gel Filled

### Inner Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.315 in (8.0 mm)
Color:	Black

### Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.615 in (15.6 mm)

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$
1 Gigabit Ethernet Performance	5,000 m	--
10 Gigabit Ethernet Performance	10,000 m	40,000 m

### Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
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Min. 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:	440 N/cm
Bulk Cable Weight:	152 lbs/kft (226 kg/km)

## Temperature Range

Installation Temperature Range:	-10°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:	Indoor/Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696

## Product Notes

Notes:	Ozone, Hydraulic fluid resistant
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## History

Update and Revision:	Revision Number: 0.20 Revision Date: 11-14-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type
TF-SC0-024-RI5N	Black	Reel

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