



**Product:** [TF-SC0-012-RS5](#)

Factory, In+Outdoor, CLT, OS2, 12f, Gel Tube 3.8mm, CST, Sgl Jkt - PVC, OFCR, Ozone-UV-Oil Res

### Product Description

Factory Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 12 Fibers, Gel Filled Tube 3.8mm, Corrugated Steel Tape, Single 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:	12
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled

#### Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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#### Outer Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.410 in (10.4 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
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:	220 N/cm
Bulk Cable Weight:	83 lbs/kft (124 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-SC0-012-RS5N	Black	Reel

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