



**Product:** [TF-SD9-024-RN5](#) 

Factory, In+Outdoor, DN, OS2, 24f, Non-Unit, Sgl Jkt - PVC, OFNR, Ozone-UV-Oil Res

## Product Description

Factory Grade, Indoor/Outdoor, Distribution, OS2, 24 Fibers, Non-Unit 900um, Single Jacket - PVC, OFNR, Ozone-UV-Oil Resistant

## Technical Specifications

### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2 µm
Fiber Diameter:	250 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.330 in (8.4 mm)

### Optical Characteristics

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

### Mechanical Characteristics

Min. Bend Radius During Installation:	15x 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:	42 lbs/kft (63 kg/km)

### Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-40°C to +70°C
Storage Temp Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696

History

Update and Revision:	Revision Number: 0.16 Revision Date: 12-15-2021
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