

Product: TF-SDK-048-RN5

Factory, In+Outdoor, DN, OS2, 48f, Unitized, Sgl Jkt - PVC, OFNR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Distribution, OS2, 48 Fibers, Unitized (12f/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:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.688 in (17.5 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:	154 lbs/kft (229 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:	OFNR, FT4
ICEA Compliance:	S-104-696

Product Notes

Notes:	Ozone, Hydraulic fluid resistant

History

Update and Revision:	Revision Number: 0.22 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type
TF-SDK-048-RN5N	Black	Reel

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