



Product: [TF-1C0-002-RR5N](#)

Factory Grade, Indoor/Outdoor, Central Loose-Tube, OM1, 2 Fibers, Gel Filled Tube 3.8 mm, Rodent Protected, Single Jacket, Black, PVC, OFNR, Ozone-UV Chem Resistant

Product Description

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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:	OM1
Fiber Diameter:	250 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	2
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150 in (3.8 mm)
Subunit Color:	Blue

Outer Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.315 in (8.0 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.4 dB/km	0.3 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	42 lbs/kft (62 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
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFNR
CEC / C(UL) Compliance:	OFNR
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.2 Revision Date: 07-25-2025
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