



Product: [FNSD002N9](#)

Outdoor Tactical Tight Buffer OS2 2 Fibers Non-Unitized

Product Description

FX Outdoor, Tactical Tight Buffer, OS2, 2 Fibers, Non-Unitized, Black Jacket

Technical Specifications

Product Overview

Product Category:	Tactical Fiber Cable
Suitable Applications:	Re-deployable audio/video communications, military use, outdoor news, sporting, and other events, harsh environments, and outside exterior plant applications.

Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Core Diameter:	500 µm
Buffer Diameter:	900 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PUR - Polyurethane
Nom. Diameter:	0.220 in (5.5 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 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:	1780 N (400 lbf)
Max. Tensile Strength During Operation:	578 N (130 lbf)
Crush Resistance:	1800 N/cm

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	15x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	Error
Cable Max. Tensile Strength Operation (Long Term)	Error

Bulk Cable Weight:	16.2 lbs/kft (25 kg/km)
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Temperature Range

Operating Temperature Range:	-46°C to +85°C
Storage Temperature Range:	-55°C to +85°C

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	FT6
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	OFNP
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	EIA/TIA-455-33, EIA/TIA-455-37, EIA/TIA-455-104, EIA/TIA-455-41, EIA/TIA-455-25, EIA/TIA-455-3, EIA/TIA-455-5 Method B, EIA/TIA-455-4, EIA/TIA-455-98
Telcordia Compliance:	GR-409
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.23 Revision Date: 02-21-2025
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