



**Product:** [TU-SDK-072-RI2](#)

Tray, In+Outdoor, DN, OS2, 72f, Unitized, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Distribution, OS2, 72 Fibers, Unitized (12f/unit) 900um, Aluminum Interlock Armor, Double Jacket, Black, CPE, OFCR, Oil Res 1 & 2

## Technical Specifications

### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Oil Res 1 /2, Rodent Proof

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Buffer Material:	PVC - Polyvinyl Chloride
Fiber Count:	72
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	6
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking Aramid Yarn
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking tape

### Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.823 in (20.9 mm)
Color:	Black
Number of Ripcords:	1

### Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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### Outer Jacket Specifications

Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	1.221 in (31.0 mm)

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 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:	440 N/cm
Bulk Cable Weight:	485 lbs/kft (722 kg/km)

## Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-50°C to +70°C
Storage Temp Range:	-50°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696

## History

Update and Revision:	Revision Number: 0.8 Revision Date: 04-08-2022
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