



Product: [FDSM072A2Y](#) 

Indoor/Outdoor Mini-Distribution OS2 72 Fibers OFCP Aluminum Interlocked Armor Sub-Units 3.0 mm (12F)

Product Description

FX Indoor/Outdoor, Mini-Distribution, OS2, 72 Fibers, OFCP Aluminum Interlocked armor, Sub-Units 3.0 mm (12F), Yellow Jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Product Category: | Fiber Mini Distribution Cable |
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking |

Fiber Specifications

| | |
|---------------------|------------------------|
| Fiber Type: | OS2, G.657.A1, G.652.D |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 72 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|---------------------------------|-------------------|
| Number of Active Subunits: | 6 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.118 in (3.0 mm) |
| Subunit Color: | Yellow |
| Fiber SubUnit Strength Members: | Aramid Yarns |
| Central Strength Member Type: | GRP |
| Core Wrap Material: | Waterblock Tape |

Inner Jacket Specifications

| | |
|--------------------------------------|--------------------------|
| Inner Jacket Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nominal Diameter@InnerJacket1 (cnv): | 0.443 in (11.3 mm) |
| Color: | Yellow |
| Number of Inner Jacket Ripcords: | 1 |

Armor Specifications

| | |
|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
|--------------------------|--------------------------------|

Outer Jacket Specifications

| | |
|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.731 in (18.6 mm) |
| Outer Jacket Color: | Yellow |

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 |
| 40 Gigabit Ethernet Performance | 10,000 m | -- |

Mechanical Characteristics

| | |
|--|-------------------------|
| Minimum Bend Radius During Installation: | 20x Cable OD |
| Minimum Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 1800 N (405 lbf) |
| Max. Tensile Strength During Operation: | 540 N (120 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 248 lbs/kft (369 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | 0°C to +60°C |
| Operating Temperature Range: | -20°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: | NFPA 262 |
| NEC / UL Compliance: | OFNP |
| CEC / C(UL) Compliance: | FT6 |
| ICEA Compliance: | S-104-696 |
| TIA/EIA Compliance: | 568.3, 598-D |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.5 Revision Date: 04-06-2026 |
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Part Numbers

Variants

| Item # | Color | Putup Type |
|------------|--------|------------|
| FDSM072A2Y | Yellow | Reel |

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