



**Product:** [FISR864FY](#)

Indoor Flexible Ribbon OS2 864 Fibers OFCR Aluminum Interlocked Armor Sub-Units 5.0mm (72F)

**Product Description**

FX Indoor, Flexible Ribbon, OS2, 864 Fibers, OFCR, Aluminum Interlocked Armor, Sub-Units 5.0 mm (72F), Yellow Jacket

**Technical Specifications**

**Product Overview**

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| Product Category:      | Fiber Ribbon Cable                                      |
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone |

**Fiber Specifications**

|                     |                        |
|---------------------|------------------------|
| Fiber Type:         | OS2, G.657.A1, G.652.D |
| Fiber Diameter:     | 250 µm                 |
| Fiber Count:        | 864                    |
| Fiber Color Coding: | TIA-598-D              |

**Cable Construction**

|                                 |                   |
|---------------------------------|-------------------|
| Number of Active Subunits:      | 12                |
| Fibers Per Subunit:             | 72                |
| Subunit Diameter:               | 0.197 in (5.0 mm) |
| Subunit Color:                  | Yellow            |
| Fiber SubUnit Strength Members: | Aramid Yarns      |
| Central Strength Member Type:   | GRP               |

**Inner Jacket Specifications**

|                                      |                          |
|--------------------------------------|--------------------------|
| Inner Jacket Strength Member:        | Aramid Yarns             |
| Material:                            | PVC - Polyvinyl Chloride |
| Nominal Diameter@InnerJacket1 (cnv): | 0.906 in (23.0 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:      | 1.354 in (34.4 mm)       |
| Outer Jacket Color: | Yellow                   |

**Optical Characteristics**

| Wavelength                       | 1310 nm    | 1550 nm    |
|----------------------------------|------------|------------|
| Max. Attenuation                 | 0.40 dB/km | 0.30 dB/km |
| 10 Gigabit Ethernet Performance  | 10,000 m   | 50,000 m   |
| 40 Gigabit Ethernet Performance  | 10,000 m   | --         |
| 100 Gigabit Ethernet Performance | 10,000 m   | --         |

Mechanical Characteristics

|                                            |                         |
|--------------------------------------------|-------------------------|
| Minimum Bend Radius During Installation:   | 20x Cable OD            |
| Minimum Bend Radius During Operation:      | 10xCable OD             |
| Max. Tensile Strength During Installation: | 1320 N (300 lbf)        |
| Max. Tensile Strength During Operation:    | 400 N (90 lbf)          |
| Crush Resistance:                          | 440 N/cm                |
| Bulk Cable Weight:                         | 580 lbs/kft (863 kg/km) |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | 0°C to +60°C   |
| Operating Temperature Range:    | 0°C to +70°C   |
| Storage Temperature Range:      | -40°C to +70°C |

Standards and Compliance

|                                  |                  |
|----------------------------------|------------------|
| Environmental Suitability:       | Indoor           |
| Flammability / Reaction to Fire: | UL 1666, UL 1685 |
| NEC / UL Compliance:             | OFCR-ST1         |
| CEC / C(UL) Compliance:          | OFCG-ST1         |
| ICEA Compliance:                 | S-83-596         |
| TIA/EIA Compliance:              | 568.3, 598-D     |
| Telcordia Compliance:            | GR-409           |

History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.4 Revision Date: 11-20-2025 |
|----------------------|------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type |
|-----------|-------|------------|
| FISR864FY | Black | Reel       |

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