



Product: [FISR576RZ](#)

Indoor OFNR OS2 Flexible Ribbon 576 Fibers 144F Subs

### Product Description

Indoor Riser OS2 Flexible Ribbon 576 Fibers 144F Subunit Yellow Jacket

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone |
|------------------------|---|

#### Fiber Specifications

|                      |              |
|----------------------|--------------|
| Fiber Type:          | OS2          |
| Fiber Core Diameter: | 8.2/125µm µm |
| Fiber Count:         | 576          |
| Fiber Color Coding:  | TIA-598-D    |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 4                 |
| Fibers Per Subunit:        | 144               |
| Subunit Diameter:          | 0.275 in (7.0 mm) |
| Central Strength Member:   | GRP               |

#### Outer Jacket Specifications

|                  |                          |
|------------------|--------------------------|
| Strength Member: | Aramid Yarns             |
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter:   | 0.787 in (20.0 mm)       |
| Color:           | Yellow                   |

#### Optical Characteristics

| Wavelength                      | 850 nm | 1310 nm    | 1550 nm    |
|---------------------------------|--------|------------|------------|
| Max. Attenuation                |        | 0.50 dB/km | 0.50 dB/km |
| 1 Gigabit Ethernet Performance  | --     | 5,000 m    |            |
| 10 Gigabit Ethernet Performance | --     | 10,000 m   |            |

#### Mechanical Characteristics

|  |                       |
|--|-----------------------|
| Min. Bend Radius During Installation:      | 15x Cable OD          |
| Min. Bend Radius During Operation:         | 10x Cable OD          |
| Max. Tensile Strength During Installation: | 670 N (150 lbf)       |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)        |
| Crush Resistance:                          | 220 N/cm              |
| Bulk Cable Weight:                         | 60 lbs/kft (90 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                          |
| Sustainability:                  | CA Prop 65                      |
| Flammability / Reaction to Fire: | OFNR, FT4                       |
| ICEA Compliance:                 | S-83-596                        |
| TIA/EIA Compliance:              | ANIS/ICEA S-83-596, GR-409-CORE |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.20 Revision Date: 11-14-2024 |
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