



Product: [FISR432RZ](#)

Indoor OFNR OS2 Flexible Ribbon 432 Fibers 144F Subs

Product Description

Indoor Riser OS2 Flexible Ribbon 432 Fibers 144F Subunit Yellow Jacket

Technical Specifications

Product Overview

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

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| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125µm µm |
| Fiber Count: | 432 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|-------------------|
| Number of Active Subunits: | 3 |
| Number of Fillers: | 1 |
| Fibers Per Subunit: | 144 |
| Subunit Diameter: | 0.275 in (7.0 mm) |
| Central Strength Member: | GRP |

Outer Jacket Specifications

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| 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

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| 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

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

Standards and Compliance

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|----------------------------------|---------------------------------|
| 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

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