



Product: [FDSR144R2](#)

Indoor/Outdoor OFNR OS2 Flexible Ribbon 144 Fibers 12F Subs

Product Description

Indoor/Outdoor Riser OS2 Flexible Ribbon 144 Fibers 12F Subunit Black 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: | 144 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|----------------------------|
| Number of Active Subunits: | 12 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.118 in (3.0 mm) |
| Subunit Strength Members: | Waterblocking aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking tape |

Outer Jacket Specifications

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| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.72 in (18.4 mm) |
| Color: | Black |

Optical Characteristics

| Wavelength | 850 nm | 1310 nm | 1550 nm |
|---------------------------------|--------|------------|------------|
| Max. Attenuation | | 0.50 dB/km | 0.50 dB/km |
| Mode Field Diameter | | 9.2 µm | 10.4 µm |
| 1 Gigabit Ethernet Performance | -- | 5,000 m | - |
| 10 Gigabit Ethernet Performance | -- | 10,000 m | 50000 |

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: | 1320 N (300 lbf) |
| Max. Tensile Strength During Operation: | 400 N (90 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 218 lbs/kft (325 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +70°C |
| Operating Temperature Range: | -10°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFNR, FT4 |
| ICEA Compliance: | S-104-696 |
| TIA/EIA Compliance: | EIA/TIA 568-A, GR-409-CORE, ICEA-S-104-696 |

History

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| Update and Revision: | Revision Number: 0.32 Revision Date: 05-31-2024 |
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