



Product: [FISD096PK](#)

Indoor Plenum OS2 Distribution 96 Fibers

Product Description

FX Indoor OS2 Distribution Tight Buffer 96 Fibers OFNP Sub-Units (12F) Yellow Jacket

Technical Specifications

Product Overview

| | |
|------------------------|--------------------------|
| Product Category: | Fiber Distribution Cable |
| Suitable Applications: | Premise Backbone |

Fiber Specifications

| | |
|----------------------|--------------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μ m |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 μ m |
| Fiber Count: | 96 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|-------------------|
| Number of Active Subunits: | 8 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.220 in (5.6 mm) |
| Subunit Color: | Yellow |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Nomex Tape |

Outer Jacket Specifications

| | |
|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.867 in (22 mm) |
| Color: | Yellow |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|-------------|--------------|
| Max. Attenuation | 0.50 dB/km | 0.50 dB/km |
| Mode Field Diameter | 9.2 μ m | 10.4 μ m |
| 1 Gigabit Ethernet Performance | 5,000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 50,000 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: | 1320 N (300 lbf) |

| | |
|---|-------------------------|
| Max. Tensile Strength During Operation: | 400 N (90 lbf) |
| Crush Resistance: | 100 N/cm |
| Bulk Cable Weight: | 303 lbs/kft (451 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| 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, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFNP, FT6 |
| ICEA Compliance: | S-83-596 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.228 Revision Date: 11-09-2022 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------|--------|------------|--------------|
| FISD096PK | Yellow | Reel | 612825372738 |

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