



Part Number: FDSD024A9

Indoor/Outdoor Plenum OS2 Distribution Tight Buffer 24f

Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 24 Fibers OFCP Aluminum Interlocked Armor Non-Unitized Black Jacket

Technical Specifications

Product Overview

| | |
|------------------------|------------------|
| Part Number: | FDSD024A9 |
| Construction Type: | Distribution |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Indoor / Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OS2 | 24 |

| | |
|---------------------|---|
| Fiber Type: | OS2 |
| Fiber Count: | 24 |
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |

Buffer Specification

| Fiber Type | Buffer Material | Buffer Diameter |
|------------|-----------------|-----------------|
| OS2 | Thermoplastic | 900 µm |

| | |
|----------------------------|----------------------------|
| Cable Core Water Blocking: | Waterblocking Aramid Yarns |
|----------------------------|----------------------------|

SubUnit Specifications

| | |
|---------------------|----|
| Fibers Per Subunit: | 24 |
|---------------------|----|

Jacket Specifications

| | |
|----------------------------------|----------------------|
| Number of Jackets: | Double Jacket |
| Type of Armor: | Interlocked Aluminum |
| Number of Inner Jacket Ripcords: | 1 |
| Color@InnerJacket1: | Black |
| Nominal Diameter@InnerJacket1: | 0.33 in |
| Material@InnerJacket1: | PVC |

Outer Jacket Material

| Material | Nominal Diameter |
|----------|------------------|
| PVC | 0.63 in (16 mm) |

| | |
|----------------------------------|-------|
| Outer Jacket Color: | Black |
| Number of Outer Jacket Ripcords: | 1 |

Optical Characteristics

| | |
|----------------------|-----------|
| Mode Field Diameter: | 9.2 |
| Fiber Core Diameter: | 8.2/125µm |

| | |
|----------------------------------|---------------------|
| Max Attenuation at 1310 nm: | 0.5 dB/km |
| Max Attenuation at 1550 nm: | 0.5 dB/km |
| Wavelength: | 1310 nm / 1550 nm |
| 10 Gigabit Ethernet Performance: | 10,000 m / 40,000 m |
| 1 Gigabit Ethernet Performance: | 5,000 m / - |

Mechanical Characteristics

| | |
|---|----------------|
| Min Bend Radius During Installation: | 20x Cable OD |
| Min Bend Radius During Operation: | 10x Cable OD |
| Max Tensile Strength During Installation: | 67 N (300 lbf) |
| Max Tensile Strength During Operation: | 20 N (90 lbf) |

Temperature Range

| | |
|--------------------------|--------------|
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -20C to +70C |
| Storage Temp Range: | -40C to +70C |

Standards

| | |
|-------------------------------|---------------------|
| UL Rating/Flame Test: | Plenum |
| CEC/C(UL) Specification: | OFNP |
| Telecommunications Standards: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

History

Variants

| Item # | Color |
|-----------|-------|
| FDSD024A9 | Black |

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