



Product: [HI4D0060218LJ](#)

Indoor Hybrid Copper-Fiber Cable, OM4, 6 Distribution Fibers, #18-2c, CMR-OF

Product Description

FX HYBRID INDOOR, OM4, DISTRIBUTION, 6 FIBERS, 02 x 18AWG, CMR-LS-OF, SUB-UNIT 4.8MM (6F X 900UM), ERIKA VIOLET JACKET

Technical Specifications

Product Overview

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras) |
|------------------------|--------------------------------------------------------------------------------------------------------------------|

Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM4                      |
| Fiber Core Diameter: | 50/125 µm                |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 6                        |
| Fiber Color Coding:  | TIA-598-D                |

Fiber Construction

|                           |                    |
|---------------------------|--------------------|
| Subunit Strength Members: | Aramid yarns       |
| Fibers Per Subunit:       | 6                  |
| Nom. Jacket Diameter:     | 0.180 in. (4.6 mm) |
| Jacket Color:             | Erika Violet       |

Conductor Specifications

|                           |                    |
|---------------------------|--------------------|
| AWG Size:                 | 18                 |
| Number of Strands:        | 19x30              |
| Conductor Type:           | TC - Tinned Copper |
| Number of Conductors:     | 2                  |
| Insulation Material:      | PVC                |
| Nom. Insulation Diameter: | 0.072 in. (1.8 mm) |

Outer Jacket Specifications

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Jacket Material:    | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.408 in (10.4 mm)                              |
| Color:              | Erika Violet                                    |
| Number of Ripcords: | 1                                               |

Optical Characteristics

| Wavelength                             | 850 nm      | 1300 nm    |
|----------------------------------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 1000 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 550 m       | --         |
| Min. Effective Modal Bandwidth (EMB)   | 4700 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 500 MHz.km |

Mechanical Characteristics

|                                            |                        |
|--------------------------------------------|------------------------|
| Min. Bend Radius During Installation:      | 15x Cable OD           |
| Min. Bend Radius During Operation:         | 10x Cable OD           |
| Max. Tensile Strength During Installation: | 1335 N (300 lbf)       |
| Max. Tensile Strength During Operation:    | 400 N (90 lbf)         |
| Crush Resistance:                          | 220 N/cm               |
| Bulk Cable Weight:                         | 68 lbs/kft (102 kg/km) |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range:    | -20°C to +70°C |
| Storage Temperature Range:      | -40°C to +70°C |

Standards and Compliance

|                            |                |
|----------------------------|----------------|
| Environmental Suitability: | Indoor         |
| Sustainability:            | CA Prop 65     |
| NEC / UL Compliance:       | CMR-OF         |
| ICEA Compliance:           | S-120-742      |
| TIA/EIA Compliance:        | ICEA S-120-742 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.22 Revision Date: 02-15-2024 |
|----------------------|-------------------------------------------------|

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