



**Product:** [HISB0020218RC](#)

Indoor Hybrid Copper-Fiber Cable, OS2, 2 Breakout Fibers, #18-2c, CMR-OF

### Product Description

FX HYBRID INDOOR, OS2, BREAKOUT 3.0MM, 2 FIBERS, 02 x 18AWG, CMR-OF, 3.0MM SUB (1F X 900UM), YELLOW 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:          | OS2                      |
| Fiber Core Diameter: | 8.2/125 µm               |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 2                        |
| Fiber Color Coding:  | TIA-598-D                |

#### Fiber Construction

|                           |                    |
|---------------------------|--------------------|
| Subunit Strength Members: | Aramid yarns       |
| Fibers Per Subunit:       | 1                  |
| Nom. Jacket Diameter:     | 0.118 in. (3.0 mm) |
| Jacket Color:             | Yellow             |

#### 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:    | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.315 in (8.1 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 µm     | 10.4 µm    |
| 1 Gigabit Ethernet Performance  | 5000 m     | --         |
| 10 Gigabit Ethernet Performance | 10,000 m   | 40,000 m   |

#### 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:                         | 55 lbs/kft (82 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: 0.48 Revision Date: 02-15-2024 |
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