



**Product:** [HISB0020218PC](#)

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

## Product Description

FX HYBRID INDOOR, OS2, BREAKOUT 3.0MM, 2 FIBERS, 02 x 18AWG, CMP-OF, 3.0MM SUB (1F X 900UM), YELLOW JACKET

## Technical Specifications

|              |               |
|--------------|---------------|
| Part Number: | HISB0020218PC |
|--------------|---------------|

## Product Overview

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

## Construction

### Fiber Cable Construction

| Fiber Type | Fiber Count | Subunit Color | Subunit Color 2 |
|------------|-------------|---------------|-----------------|
| OS2        | 2           | Yellow        | Yellow          |

|                     |           |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

### Buffer Specification

| Buffer Material          | Buffer Diameter |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 900 µm          |

|                    |                       |
|--------------------|-----------------------|
| Bulk Cable Weight: | 48 lbs/kft (72 kg/km) |
|--------------------|-----------------------|

## SubUnit Specifications

|                     |                  |
|---------------------|------------------|
| Fibers Per Subunit: | 1                |
| Subunit Diameter:   | 0.118 in (3.0mm) |

## Jacket Specifications

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

### Outer Jacket Material

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.315 in (8.0mm) |

|                     |                   |
|---------------------|-------------------|
| Color:              | Yellow            |
| Number of Ripcords: | 1                 |
| Nominal Diameter:   | 0.315 in (8.1 mm) |

## Optical Characteristics

|                             |            |
|-----------------------------|------------|
| Mode Field Diameter:        | 9.2 µm     |
| Fiber Core Diameter:        | 8.2/125 µm |
| Max Attenuation at 1310 nm: | 0.50 dB/km |
| Max Attenuation at 1550 nm: | 0.50 dB/km |

## Mechanical Characteristics

|                   |          |
|-------------------|----------|
| Crush Resistance: | 220 N/cm |
|-------------------|----------|

Mechanical Tests

| Description                                           | Requirement/Value |
|-------------------------------------------------------|-------------------|
| Cable Min. Bend Radius Installation (Short Term)      | 15x Cable OD      |
| Cable Min. Bend Radius Operation (Long Term)          | 10x Cable OD      |
| Cable Max. Tensile Strength Installation (Short Term) | Error             |
| Cable Max. Tensile Strength Operation (Long Term)     | Error             |

Temperature Range

|                          |                |
|--------------------------|----------------|
| Operating Temp Range:    | 0°C to +70°C   |
| Installation Temp Range: | 0°C to +60°C   |
| Storage Temp Range:      | -40°C to +70°C |

Standards

|                       |                |
|-----------------------|----------------|
| UL Rating/Flame Test: | Plenum         |
| NEC/(UL) Compliance:  | CMP-OF         |
| TIA/EIA Compliance:   | ICEA S-120-742 |
| REACH:                | Complies       |
| RoHS:                 | Complies       |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.44 Revision Date: 06-18-2021 |
|----------------------|-------------------------------------------------|

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