



**Product:** [HDSB0020214FC](#)

Indoor/Outdoor Armored Hybrid Copper-Fiber Cable, OS2, 2 Breakout Fibers, #14-2c, CL3R-OF

**Product Description**

FX HYBRID INDOOR/OUTDOOR, OS2, BREAKOUT, 2 FIBERS, 02 x 14AWG, CL3R-OF ALUMINUM INTERLOCKED ARMOR, SUB-UNIT 3.0MM (1F X 900UM), BLACK JACKET

**Technical Specifications**

|              |               |
|--------------|---------------|
| Part Number: | HDSB0020214FC |
|--------------|---------------|

**Product Overview**

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Environmental Space:   | Indoor/Outdoor                                                                                                     |
| 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: | 203 lbs/kft (303 kg/km) |
|--------------------|-------------------------|

**SubUnit Specifications**

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

**Jacket Specifications**

|                   |                          |
|-------------------|--------------------------|
| Color:            | Yellow                   |
| Nominal Diameter: | 0.402 in (10.2 mm)       |
| Material:         | PVC - Polyvinyl Chloride |
| Conductor Count:  | 2                        |

**Outer Jacket Material**

| Material                 | Nominal Diameter  |
|--------------------------|-------------------|
| PVC - Polyvinyl Chloride | 0.700 in (17.8mm) |

|                     |                    |
|---------------------|--------------------|
| Color:              | Black              |
| Number of Ripcords: | 1                  |
| Nominal Diameter:   | 0.695 in (17.7 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: | 440 N/cm |
|-------------------|----------|

### Mechanical Tests

| Description                                           | Requirement/Value |
|-------------------------------------------------------|-------------------|
| Cable Min. Bend Radius Installation (Short Term)      | 20x Cable OD      |
| Cable Min. Bend Radius Operation (Long Term)          | 15x Cable OD      |
| Cable Max. Tensile Strength Installation (Short Term) | Error             |
| Cable Max. Tensile Strength Operation (Long Term)     | Error             |

### Temperature Range

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

### Standards

|                       |                |
|-----------------------|----------------|
| UL Rating/Flame Test: | Riser          |
| NEC/(UL) Compliance:  | CL3R-OF        |
| TIA/EIA Compliance:   | ICEA S-120-742 |
| REACH:                | Complies       |
| RoHS:                 | Complies       |

### History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.19 Revision Date: 06-21-2021 |
|----------------------|-------------------------------------------------|

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