



Product: [HISB0020214RC](#)

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

Product Description

FX HYBRID INDOOR, OS2, BREAKOUT 3.0MM, 2 FIBERS, 02 x 14AWG, CL3R-OF, 3.0MM SUB (1F X 900UM), YELLOW JACKET

Technical Specifications

Product Overview

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

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|----------------------|--------------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μ m |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 μ m |
| Fiber Count: | 2 |
| Fiber Color Coding: | TIA-598-D |

Fiber Construction

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

Conductor Specifications

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|---------------------------|--------------------|
| AWG Size: | 14 |
| Number of Strands: | 19x26 |
| Conductor Type: | TC - Tinned Copper |
| Number of Conductors: | 2 |
| Insulation Material: | PVC |
| Nom. Insulation Diameter: | 0.090 in. (2.3 mm) |

Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.342 in (8.7 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 μ m | 10.4 μ m |
| 1 Gigabit Ethernet Performance | 5000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

Mechanical Characteristics

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|--|------------------------|
| 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: | 69 lbs/kft (103 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| 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: | CL3R-OF |
| ICEA Compliance: | S-120-742 |
| TIA/EIA Compliance: | ICEA S-120-742 |

History

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| Update and Revision: | Revision Number: 0.48 Revision Date: 02-15-2024 |
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