



Product: [DHIP182U4B02C](#)

Indoor Digital Electricity Hybrid Cable, OM4, 2 Breakout Fibers, #18-2pr, CL4P-OF, CMP-OF

Product Description

Indoor Digital Electricity Hybrid Cable, OM4, 2 Breakout Fibers, 3.0mm Sub-units, 2- 18 AWG Pairs, Class 4, Plenum

Technical Specifications

Product Overview

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|------------------------|---|
| Suitable Applications: | Fault Managed Power Systems (FMPS), Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras), Power over long distances |
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Fiber Specifications

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|----------------------|--------------------------|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| 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: | Erika Violet |

Conductor Specifications

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|--------------------------------|--------------------|
| AWG Size: | 18 |
| Number of Strands: | 19x30 |
| Conductor Type: | TC - Tinned Copper |
| Number of Pairs: | 2 |
| Insulation Material: | PVC |
| Nom. Insulation Diameter: | 0.076 in. (1.9 mm) |
| Nom. Capacitance Cond-to-Cond: | 30 pF/ft @ 10 kHz |

Outer Jacket Specifications

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|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.383" (9.7mm) |
| Color: | Apple Green |
| 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 | -- |

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| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 500 MHz.km |
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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: | 2670 N (600 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 83 lbs/kft (124 kg/km) |

Temperature Range

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

Standards and Compliance

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|----------------------------|----------------------------|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| NEC / UL Compliance: | CL4P-OF-FMP (2.0A), CMP-OF |
| ICEA Compliance: | S-120-742 |
| TIA/EIA Compliance: | ICEA S-120-742 |

History

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| Update and Revision: | Revision Number: 0.68 Revision Date: 11-27-2023 |
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