



**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

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

Fiber Type:	OM4
Fiber Core Diameter:	50/125 $\mu$ m
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 $\mu$ m
Fiber Count:	2
Fiber Color Code:	TIA-598-D

#### Fiber Construction

Fiber SubUnit Strength Members:	Aramid yarns
Fibers Per Subunit:	1
Nominal Jacket Diameter:	0.118 in. (3.0 mm)
Jacket Color Fiber Unit:	Erika Violet

#### Conductor Specifications

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

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

## Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum 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

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

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

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