



**Product:** [DHIP182U4D06J](#) 

Indoor Digital Electricity Hybrid Cable, OM4, 6 Distribution Fibers, #18-2pr, CMP-OF

### Product Description

Indoor Digital Electricity Hybrid Cable, OM4, 6 Distribution Fibers, 4.5mm Sub-unit, 2- 18 AWG Pairs, Plenum

### Technical Specifications

Part Number:	DHIP182U4D06J
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### Product Overview

Environmental Space:	Indoor
Suitable Applications:	Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras), Power over long distances

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color
OM4	6	Erika Violet
Fiber Color Coding:	TIA-598-D	
Fiber Color Coding 2:	Erika Violet #1, Erika Violet #2	

#### Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm
Bulk Cable Weight:	67 lbs/kft (100 kg/km)

### SubUnit Specifications

Fibers Per Subunit:	6
Subunit Diameter:	0.190 in (4.8 mm)

### Jacket Specifications

Conductor Count:	2
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#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.369" (9.4mm)
Color:	Apple Green
Number of Ripcords:	1
Nominal Diameter:	0.369 in (9.4 mm)

### Optical Characteristics

Fiber Core Diameter:	50/125 µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.0 dB/km
Wavelength@Optical MM1:	850

### Mechanical Characteristics

Crush Resistance:	220 N/cm
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#### 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: 0.58 Revision Date: 06-18-2021
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