



**Product:** [HD3D0060220PJ](#)

Indoor/Outdoor Hybrid Copper-Fiber Cable, OM3, 6 Distribution Fibers, #20-2c, CMP-OF

## Product Description

FX HYBRID INDOOR/OUTDOOR, OM3, DISTRIBUTION, 6 FIBERS, 02 x 20AWG, CMP-OF, 4.5MM SUB X 900UM, BLACK JACKET

## Technical Specifications

|              |               |
|--------------|---------------|
| Part Number: | HD3D0060220PJ |
|--------------|---------------|

## 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 |
|------------|-------------|---------------|
| OM3        | 6           | Aqua          |

|                     |           |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

### Buffer Specification

| Buffer Material          | Buffer Diameter |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 900 µm          |

|                    |                       |
|--------------------|-----------------------|
| Bulk Cable Weight: | 46 lbs/kft (69 kg/km) |
|--------------------|-----------------------|

## SubUnit Specifications

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

## Jacket Specifications

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

### Outer Jacket Material

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.347 in (8.8mm) |

|                     |                   |
|---------------------|-------------------|
| Color:              | Black             |
| Number of Ripcords: | 1                 |
| Nominal Diameter:   | 0.347 in (8.9 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 |
|-------------------|----------|

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:    | -40°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: 0.41 Revision Date: 06-18-2021 |
|----------------------|-------------------------------------------------|

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