

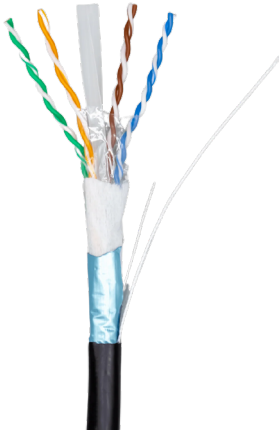
Ethernet Cable, Cat6, Direct Burial  
FTP, 304.8 m, 1000 ft.

**RoHS  
Compliant**

Stock No.: CAT6-3041D-FTP-B

**FEATURES**

- CMX
- FTP
- 23 AWG
- Solid Copper



**Product Description**

1 and 5 Gigabit (5GBASE-T) speeds up to 328 feet. Bandwidth tested up to 550 MHz. Supports PoE/PoE+/PoE++ (IEEE 802.3af/at/bt) 4PPoE up to 90W. Solid Copper Conductors ANSI/TIA 568 2.D, RoHS-3 compliant and cETLus certified. Bare copper is superior conductor material for data transmission and PoE use.

**General Specifications**

| Attribute                   | Value                          |
|-----------------------------|--------------------------------|
| Terminated/Unterminated     | Unterminated                   |
| Connector Type              | RJ45                           |
| Cable Type                  | Ethernet                       |
| Length                      | 304.8m                         |
| Gauge                       | 23 AWG                         |
| Conductor                   | Bare Copper                    |
| Shield/Unshielded           | Shielded                       |
| Voltage Rating              | 300V                           |
| 1.0 - 550MHz Impedance (Ω)  | 100 ± 15                       |
| Maximum Operating Frequency | 550MHz                         |
| Operating & Storage Temp.   | -40°C to 75°C   -40°F to 167°F |
| Installation Temp.          | -20°C to 75°C   -4°F to 167°F  |
| Jacket Color                | Black                          |

## Product Drawing

### Technical Data

#### Insulation

| Insulation                                                 | PE                |
|------------------------------------------------------------|-------------------|
| Average Thickness (mm)                                     | 0.275             |
| Min Point Thickness (mm)                                   | 0.253             |
| <b>Conductor Insulation Dia. (<math>\pm 0.02</math>mm)</b> | <b>1.12</b>       |
| Twisted Pair Dia. ( $\pm 0.02$ mm)                         | 2.24              |
| Ripcord                                                    | Nylon             |
| Spline                                                     | PE                |
| Polyethylene Tape                                          | Present           |
| Shielding                                                  | F/UTP             |
| Drain Wire- Solid Tinned Copper (mm)                       | 0.40              |
| Water Resistance                                           | Jacket & Dry Tape |

#### Conductor

| Conductor                       | Solid Bare Copper |
|---------------------------------|-------------------|
| Size                            | 23AWG             |
| Conductor Dia. ( $\pm 0.05$ mm) | 0.57              |

#### Standards Reference

UL-444 /  
cETLus

ANSI/TIA  
568-2.D

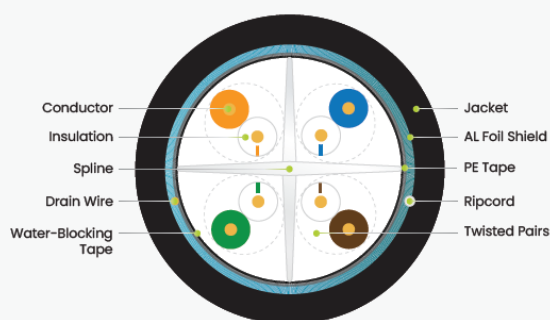
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11801

#### Color of Pairs

|        |                      |
|--------|----------------------|
| Pair 1 | Blue- White/Blue     |
| Pair 2 | Orange- White/Orange |
| Pair 3 | Green- White/Green   |
| Pair 4 | Brown- White/Brown   |

#### Cable Jacket

| Cable Jacket                                   | LLDPE       |
|------------------------------------------------|-------------|
| Average Thickness (mm)                         | 0.60        |
| Min. Point Thickness (mm)                      | 0.55        |
| <b>Outer Diameter (<math>\pm 0.2</math>mm)</b> | <b>7.80</b> |



Dimensions: Millimeters (Inches)

### Part Number Table

| Part Number      | Description                                                 |
|------------------|-------------------------------------------------------------|
| CAT6-3041D-FTP-B | Ethernet Cable, Cat6, Direct Burial, FTP, 304.8 m, 1000 ft. |

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