

Ethernet Cable, Cat6, Outdoor
Shielded w/ Messenger, FTP,
304.8 m, 1000 ft.

RoHS
Compliant

Stock No.: CAT6-3041U-FTP-M

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 \pm 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

PE

Average Thickness (mm) 0.278

Min Point Thickness (mm) 0.253

Conductor Insulation Dia. ($\pm 0.02\text{mm}$) 1.12

Twisted Pair Dia. ($\pm 0.02\text{mm}$) 2.24

Ripcord Nylon

Spline PE

Polyethylene Tape Present

Shielding F/UTP

Drain Wire - Solid Tinned Copper (mm) 0.40

Water Resistance Jacket Only

Cable Jacket

LLDPE

Average Thickness (mm) 0.60

Min. Point Thickness (mm) 0.55

Cable Outer Diameter ($\pm 0.2\text{mm}$) 7.40

Messenger Outer Diameter ($\pm 0.2\text{mm}$) 2.60

Standards Reference

UL-444 /
cETLus

ANSI/TIA
568-2.D

ISO/IEC
11801

Color of Pairs

Pair 1 Blue- White/Blue

Pair 2 Orange- White/Orange

Pair 3 Green- White/Green

Pair 4 Brown- White/Brown

Conductor

Solid Bare Copper

Size 23AWG

Conductor Dia. ($\pm 0.05\text{mm}$) 0.57

Messenger Wire

LLDPE Coated Steel

Diameter (mm) 1.3 ± 0.2

Tensile Strength (mm) 600 to 850 MPa

Support Interval Max 70m / 230ft
(While following local overhead clearance codes for sag)



Dimensions: Millimeters (Inches)

Part Number Table

Part Number	Description
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