



Ethernet Cable, Cat6, Riser, FTP

RoHS Compliant

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

FEATURES

- CMR
- FTP
- 23 AWG
- Solid Copper



Product Description

Key Features

Ethernet up to 328 ft

- Bandwidth tested up to 550 MHz
- In compliance with ANSI/TIA 568.2-E Supports Power over Ethernet: PoE/PoE+/
- Suitable for 1 Gigabit and 5 Gigabit RoHS-3 Compliant
 - Easily identified color striped pairs
- - PoE++ (IEEE 802.3af/at/bt) 4PPoE up to 100W
- Sequential footage markings every 2ft

General Specifications

Attribute	Value
Terminated/Unterminated	Unterminated
Connector Type	RJ45
Cable Type	Ethernet
Length	1000ft Per Spool
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	Orange





Product Drawing

Technical Data

Insulation	PE
Average Thickness (mm)	0.275
Min Point Thickness (mm)	0.253
Conductor Insulation Dia. (±0.02mm)	1.12
Twisted Pair Dia. (±0.02mm)	2.24
Ripcord	Nylon
Spline	Present
Polyethylene Tape	Present
Shielding	F/UTP
Drain Wire - Solid Tinned Copper (mm)	0.40

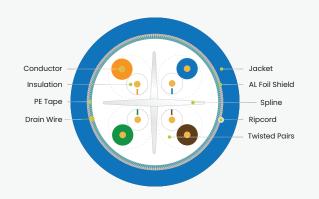
Conductor	Solid Bare Copper
Size	23AWG
Conductor Dia. (±0.05mm)	0.57

Standards Reference

UL-444/ cETLus ANSI/TIA 568.2-E 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

Cable Jacket	PVC
Average Thickness (mm)	0.55
Min. Point Thickness (mm)	0.50
Outer Diameter (±0.2mm)	7.20



Electrical Characteristics

PoE Certification	POE/POE+/POE++ 4PPOE
Maximum PoE Wattage	100W
PoE Application Compatibility	802.3af/at/bt Type 4
TIA 568-2.D Cat6 Permanent Link +PoE	CERTIFIED
Maximum Application Speed @ 295ft	5GBASE-T
Nominal Velocity of Propagation (NVP)	66.3
Maximum Operating Voltage	300V
1.0 - 550MHz Impedance (Ω)	100 ± 15
Maximum Operating Frequency	550MHz
1.0 - 550MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/km)	≤3300
Max. Conductor DC Resistance 20°C (Ω/km)	68







100 x 168

No Crack

-40°C to 75°C | -40°F to 167°F

-20°C to 75°C | -4°F to 167°F

≥85% of unaged

≥50% of unaged

Mechanical & Environmental Operating Parameters

Test Object	Jacket	Aging Condition (°C x hrs)	
Test Material	PVC	After Tensile Strength (Mpa)
Before- Tensile Strength (Mpa)	≥13.8	Aging Condition - Elongatio	n (%)
Aging- Elongation (%)	≥100	Cold Bend(-20 ± 2°C x 4hrs)	
Min. Bend Radius	5cm/2.00in	Operating & Storage Temp.	-40°
Max. Installation Tension	110N/25lb-ft	Installation Temp.	-20°

Print Legend

EASE Cat6 FTP CMR 75°C 4PR 23AWG c(ETL)us ANSI/TIA 568.2-E 550MHz RoHS-3 ****FT

Dimensions: Millimeters (Inches)

Part Number Table

Part Number	Description
CAT6-3041R-FTP-B	Ethernet Cable, Cat6, Riser, FTP

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Test Summary: PASS

