

# 6-57242-1

Copper Cable, category 3, 25 pair, U/UTP, CMR rated, 500 m wooden reel, gray



- Exceptional 100-Ohm series cables for both analog and digital services
- Meets or exceeds industry requirements and environmental regulations
- Small outside diameter and cross-sectional area in bundles and cable
- Innovative design and enhanced electrical and mechanical performance

## OBSOLETE

This product was discontinued on: August 31, 2022

## Product Classification

<b>Regional Availability</b>	Asia
<b>Portfolio</b>	NETCONNECT®
<b>Product Type</b>	Twisted pair cable
<b>Product Series</b>	310 Series

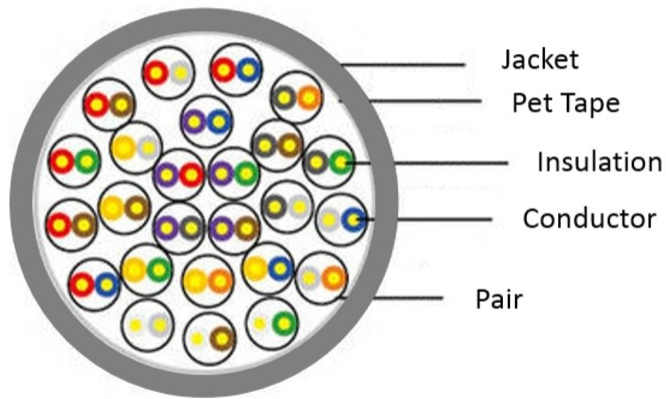
## General Specifications

<b>ANSI/TIA Category</b>	3
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	50
<b>Jacket Color</b>	Gray
<b>Pairs, quantity</b>	25
<b>Transmission Standards</b>	ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

<b>Cable Length</b>	500 m   1,640.42 ft
<b>Diameter Over Jacket, nominal</b>	8.992 mm   0.354 in
<b>Conductor Gauge, singles</b>	24 AWG

## Cross Section Drawing



## Electrical Specifications

<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Operating Voltage, maximum</b>	80 V

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	PVC

## Environmental Specifications

<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Flame Test Method</b>	NEC Article 800   UL 444

## Packaging and Weights

<b>Packaging Type</b>	Reel
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## Regulatory Compliance/Certifications

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**Agency**

CHINA-ROHS  
REACH-SVHC  
ROHS  
UK-ROHS

**Classification**

Below maximum concentration value  
Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)  
Compliant  
Compliant

