

# 25-Pair Category 5e Indoor/Outdoor

## Product Description

With its CM fire rating and UV resistant black jacket, this 25-pair, 24 gauge, Category 5e tight twisted copper conductor cable can be installed in both premises and outside plant (OSP) environments. The CAT 5e tight twist lays provide superior crosstalk performance, supporting digital subscriber line (xDSL) and IPTV broadband technologies in both the OSP pedestal and customer premises. In addition, the cable jacket is fungus resistant which is important in OSP pedestal environments. The cable meets or exceeds ANSI/TIA-568-C.2 for CAT 5e backbone cables and is able to support up to 1000BASE-T Ethernet technologies.

## Applications

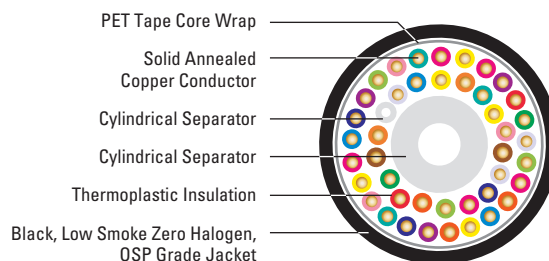
- ADSL, VDSL, VDSL+ and VDSL+2
- 10BASE-T through 1000BASE-T Ethernet, ATM and token ring

## Features

- Small outside diameter
- Vibrant insulation colors
- Black, CM rated, non-halogen, OSP grade jacket material
- Fungus resistance
- Compliant to ANSI/TIA-568-C.2 for CAT 5e
- Specially designed tight twist lays
- Low temperature bend performance

## Benefits

- Handles tight installations
- Easy identification of conductors
- Provides full sunlight resistance and fire protection in a flexible jacket
- Non-nutritive to fungus and ideal for installation in humid environments
- Capable of 1000BASE-T
- Provides superior Alien Crosstalk performance for xDSL applications
- Allows installation at -20°C temperatures



Specifications	
<b>Pair Count</b>	25
<b>Conductor</b>	Solid annealed copper
<b>AWG (mm)</b>	24 (0.51)
<b>Insulation</b>	Thermoplastic
<b>Separators</b>	Cylindrical, flame retardant thermoplastic
<b>Core Wrap</b>	PET Tape
<b>Jacket</b>	Black, CM rated, non-halogen OSP grade
<b>Input Impedance (Ohms) Guaranteed @ 1-100 MHz</b>	100 ± 15
<b>Delay Skew (ns/100 m)</b>	Maximum: 45 Typical: 30
<b>Nominal Velocity of Propagation (%)</b>	69
<b>DC Resistance (Ohms/100 m)</b>	Maximum: 9.38 Typical: 9.0
<b>Resistance Unbalance (%)</b>	Maximum: 5.0 Typical: 0.7
<b>Performance Compliance</b>	UL 444 CSA C22.2 No. 214-08 ANSI/TIA-568-C.2 RoHS-compliant
<b>NRTL Programs</b>	UL, c(UL) Listed CM

## Part Numbers and Physical Characteristics

Part Number	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package
51-499-EL	0.59 (15)	148 (221)	1,000' Plywood Reel