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
• Power over Ethernet (PoE) – IEEE 802.3af
• PoE+ – IEEE 802.3at Type 1 and 2
• ATM and token ring

FEATURES
• Small outside diameter
• Vibrant insulation colors
• Black, CM rated, non-halogen, OSP grade jacket material
• Fungus resistance

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
• Compliant to ANSI/TIA-568-C.2 for CAT 5e
• Specially designed tight twist lays
• Low temperature bend performance
• Capable of 1000BASE-T
• Provides superior Alien Crosstalk performance for xDSL applications
• Allows installation at -20°C temperatures

SPECIFICATIONS
Pair Count 25
Conductor Solid annealed copper
AWG (mm) 24 (0.51)
Insulation Thermoplastic
Separators Cylindrical, flame retardant thermoplastic
Core Wrap PET Tape
Jacket Black, CM rated, non-halogen OSP grade
Input Impedance (Ohms) Guaranteed @ 1-100 MHz 100 ± 15
Delay Skew (ns/100 m) Maximum: 45 Typical: 30
Nominal Velocity of Propagation (%) 69
DC Resistance (Ohms/100 m) Maximum: 9.38 Typical: 9.0
Resistance Unbalance (%) Maximum: 5.0 Typical: 0.7
Performance Compliance UL 444
CSA C22.2 No. 214-08
ANSI/TIA-568-C.2
Article 800, NEC (NFPA 70)
RoHS-compliant
NRTL Programs UL, c(UL) Listed CM

PART NUMBERS AND PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Diameter in (mm)</th>
<th>Approx. Weight lbs/kft (kg/km)</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>51-499-EL</td>
<td>0.59 (15)</td>
<td>148 (221)</td>
<td>1,000’ Plywood reel</td>
</tr>
</tbody>
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All information, content, data, specifications, packaging and part numbers detailed herein are subject to change. For the most up to date information, please visit SuperiorEssex.com

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