CAT6E 550 MHZ 23/4P SOL BC CMP-LP(0.6A)

105°C, 300V 550MHz PLENUM RATED; 4 UNSHIELDED TWISTED PAIRS

CONSTRUCTION:
1. Conductors: 23 AWG SOLID BARE COPPER
2. Insulation: HIGH DENSITY POLYETHYLENE
   COLORS: BLUE & WHITE/BLUE STRIPE; ORANGE & WHITE/ORANGE STRIPE; GREEN & WHITE/GREEN STRIPE; BROWN & WHITE/BROWN STRIPE
3. Assembly: 4 PAIRS INDIVIDUALLY TWISTED, CABLED; UNSHIELDED; AND JACKETED

APPLICATIONS AND FEATURES:
Southwire Cat 6E unshielded twisted pair cable is a high performance data communication cable. This ethernet cable is designed for indoor and plenum network installations type CMP (Plenum rated communication cable), may be used in Ethernet Networking system, PoE applications, Video MPEG4 / M-JPEG / Digital / Analog / Baseband / Broadband and other Multimedia Voice applications.

SPECIFICATIONS:
- Meets or exceeds ANSI/TIA-568-C.2 test to 550MHz
- NEC ARTICLE 800
- IEEE802.3bt
- UL 444 CMP
- NFPA 262 (UL 910)

SAMPLE PRINT LEGEND:
6EP - CAT 6E SOUTHWIRE® TAPPAN™ I99997 E158012 23AWG 4PR UTP TYPE CMP-LP (0.6A) 105C C(UL)US LISTED ---ETL VERIFIED TO TIA-568.C.2 CATEGORY 6 RoHS-2 COMPLIANT YYMMDD 0000FT

PACKAGING
Standard lengths 1000 FT

TABLE 1 - Product Electrical Characteristics

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Max Capacitance (nF/100m @ 1 kHz) (AWG)</th>
<th>Max DC Resistance (Ω/100m @ 68°F)</th>
<th>Max Delay Skew (ns/100m)</th>
<th>Nom Velocity of Propagation (%)</th>
<th>Characteristic Impedance (Ω @ 1-100 MHz)</th>
<th>Nominal OD (Inches)</th>
<th>Nominal OD (mm)</th>
<th>Nominal Weight (Lbs/Mft)</th>
<th>Nominal Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I99997</td>
<td>3.3</td>
<td>9.38</td>
<td>45.0</td>
<td>68.0</td>
<td>100 +/- 15%</td>
<td>0.230</td>
<td>5.842</td>
<td>31.0</td>
<td>46.1</td>
</tr>
</tbody>
</table>

Max DC Resistance (Ω/100m @ 68°F)

Max Delay Skew (ns/100m)

Nom Velocity of Propagation (%) 100 +/- 15%

Characteristic Impedance (Ω @ 1-100 MHz) 0.230

Nominal OD (Inches) 5.842

Nominal OD (mm) 31.0

Nominal Weight (Lbs/Mft) 46.1

Nominal Weight (kg/km) 31.0

All dimensions are nominal and subject to nominal manufacturing tolerances

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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