**1/C CU 2000V EPR LSZH Exciter Cable**

Single Conductor 2KV Flexible Class I Copper Ethylene Propylene Rubber Insulation Solonon® Low Smoke Zero Halogen (LSZH) Jacket

![Cable Image]

Images not to scale. See Table 1 for Dimensions

**CONSTRUCTION:**

1. **Conductors**: Flexible rope lay stranded annealed copper class I
2. **Tape**: Binder tape for ease of insulation removal.
3. **Insulation**: Heat, moisture, and ozone resistant Ethylene Propylene Rubber (EPR)
4. **Jacket**: SOLONON® Low Smoke Zero Halogen (LSZH) Thermoset Jacket

**APPLICATIONS AND FEATURES:**

Southwire 2000V EPR/SOLONON Exciter Cable is suited for use in mass transit and general industry applications where flexibility, fire resistance, and low smoke generation are a concern. May be installed in wet or dry locations in cable trays or raceways. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C for normal operation, 130°C for emergency overload conditions, and 250°C for short circuit conditions. Resistance to moisture and most oils, acids, and alkalis with an overall durable LSZH XLPO Thermoset Solonon® jacket. Alternate constructions available upon request

**SPECIFICATIONS:**

- ASTM B-172 Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members for Electrical Conductors

**SAMPLE PRINT LEGEND:**

SOUTHWIRE® XXX SIZE STRANDED NON-SHIELDED 90°C DRY EPR/CPE SEQUENTIAL MARKS NON-UL

**Table 1 – Weights & Measurements**

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Conductor Size</th>
<th>Strands</th>
<th>Diam. (1)</th>
<th>Thickness</th>
<th>Approx. OD (4)</th>
<th>Approx Weight</th>
<th>Bend Radius</th>
<th>Max. Pull Tension</th>
<th>DC Resistance at 25°C</th>
<th>Ampacity +</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AWG</td>
<td></td>
<td>inches</td>
<td>mils</td>
<td>mils</td>
<td>lbs./MFT</td>
<td>inches</td>
<td>lbs.</td>
<td>lbs.</td>
<td>Amps</td>
</tr>
<tr>
<td>550581</td>
<td>1550</td>
<td>1,590</td>
<td>3,843</td>
<td>145</td>
<td>110</td>
<td>2.13</td>
<td>5756</td>
<td>12.78</td>
<td>12400</td>
<td>0.00763</td>
</tr>
</tbody>
</table>

*Ampacities are based on Table 310.15 (B)(16) of the NEC, 2014 Edition. Ampacities of insulated conductors rated up to and including 2000 Volts, based on ambient temperature of 30°C (86°F)

All dimensions are nominal and subject to normal manufacturing tolerances