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

CONSTRUCTION:
1. Conductor: 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)

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 B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors

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

Table 1 – Weights and Measurements

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Cond. Size</th>
<th>Cond. Number</th>
<th>Cond. Strands</th>
<th>Diameter Over Conductor</th>
<th>Insul. Thickness</th>
<th>Jacket Thickness</th>
<th>Approx. OD</th>
<th>Approx. Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>550581</td>
<td>1550</td>
<td>1</td>
<td>3843</td>
<td>1.59</td>
<td>145</td>
<td>110</td>
<td>2.13</td>
<td>5756</td>
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</tbody>
</table>

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

Table 2 – Electrical and Engineering Data

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Cond. Size</th>
<th>Cond. Number</th>
<th>DC Resistance @ 25°C</th>
<th>Min Bending Radius</th>
<th>Allowable Ampacity At 75°C†</th>
<th>Allowable Ampacity At 90°C†</th>
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</thead>
<tbody>
<tr>
<td>550581</td>
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<td>1</td>
<td>0.00763</td>
<td>12.78</td>
<td>625</td>
<td>705</td>
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</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)