CSA Type ACIC - Power & Control/Signal Cable

Power & Control/signal, Copper Conductors, 14, 12 & 10awg - Power, 16 AWG - Jacketed Control/signal, 600 Volts / -25ºc Min, 90ºC Max, T90 PVC / Nylon Construction

CONSTRUCTION:
Solid copper circuit conductors, with low temperature PVC/Nylon insulation, two additional PVC/Nylon insulated signal control conductors covered with an overall blue PVC jacket, a solid bare copper bonding conductor, all wrapped with a binder tape (bearing the print legend) and covered with aluminum interlocking armour. All conductors are rated 600 volts.

1. Copper Conductor
2. PVC Insulation
3. Nylon Jacket
4. Bonding Conductor
5. Binder Tape
6. Aluminum Interlocked Armour
7. 2/C Jacketed Control/signal Cable

CONDUCTOR COLOURS:
• For 2 conductor constructions: black and white circuit conductors, purple and gray signal conductors covered by an overall blue PVC jacket plus a bare copper bonding conductor.
• For 3 conductor constructions: black, red and white circuit conductors, purple and gray signal conductors covered by an overall blue PVC jacket plus a bare copper bonding conductor.

APPLICATIONS AND FEATURES:
Southwire’s new ACIC-PCS DUO™ Cable is ideal for use with LED or fluorescent dimming controls in multi-residential and SMART buildings. ACIC-PCS DUO™ Cable combines power conductors along with Control/Signal applications all under one armor, saving you time and money. ACIC-PCS DUO™ cables are also designed for exposed and concealed wiring such as ventilated cable trays and other dry locations, where the maximum conductor temperature will not exceed 90ºC. Minimum recommended installation temperature: -10ºC (with suitable handling procedures).

• Reduces installation costs when compared to pulling separate power and control/signal/data cables
• All cables under one armor decreases the likelihood of damage – eliminating costly callbacks for troubleshooting and repair
• Yellow Stripe Identification - for easy identification when installed with other cables

SAMPLE PRINT LEGEND
SOUTHWIRE #P# CSA LL90458 ACIC 2/C AWG 12 CU PVC/N AND 2/C AWG 16 CU PVC/N CONTROL/SIGNAL SUN RES -25C FT1 FT4 600V ACIC --- SOUTHWIRE ACIC-PCS DUO(TM) ---
### SPECIFICATIONS:

Southwire’s ACIC-PCS DUOTM cables meet or exceed the following requirements:
- CSA Certification File: LL90458
- CSA Standard C22.2 No. 239 - Control and Instrumentation Cables
- CSA 90°C Max. Insulation Temperature rating
- CSA -25°C Cold Temperature Rating
- CSA -10°C Minimum recommended cold Installation Temperature
- CSA - FT1 & FT4 Flame Test ratings
- Class - C572101 - Control Cables

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Southwire Stock #</th>
<th>Power Conductors</th>
<th>Control/Signal Conductors</th>
<th>Bonding Conductor Size</th>
<th>Approximate Diameter</th>
<th>Weight</th>
<th>Allowable Amperage (Amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Size (AWG)</td>
<td># of Conductors</td>
<td>Insulation Thickness</td>
<td>Size (AWG)*</td>
<td>Insulation Thickness</td>
<td>(AWG)*</td>
</tr>
<tr>
<td>649880</td>
<td>14</td>
<td>2</td>
<td>0.030</td>
<td>0.76</td>
<td>16</td>
<td>0.015</td>
</tr>
<tr>
<td>643481</td>
<td>12</td>
<td>2</td>
<td>0.030</td>
<td>0.76</td>
<td>16</td>
<td>0.015</td>
</tr>
<tr>
<td>643483</td>
<td>12</td>
<td>3</td>
<td>0.030</td>
<td>0.76</td>
<td>16</td>
<td>0.015</td>
</tr>
<tr>
<td>643479</td>
<td>10</td>
<td>2</td>
<td>0.030</td>
<td>0.76</td>
<td>16</td>
<td>0.015</td>
</tr>
</tbody>
</table>

† Allowable ampacities are for general use as specified by the 2018 Canadian Electrical Code, Table 2
* See the 2018 Canadian Electrical Code Rule 14.104(2) for details.