### CONSTRUCTION

**Conductor**
- Class B compressed stranded copper
  - in accordance with ASTM B3 and ASTM B8

**Options**
- Class B compact stranded -8000 Series Aluminum -ACM
- Class B compact stranded copper

**Conductor Shield**
- Extruded semi-conducting thermosetting polymeric layer

**Insulation**
- No-lead EPR (Ethylene Propylene Rubber)
  - Thickness: 0.26 inches (6.60mm) - nominal
- Insulation level: 100% - grounded system
- 105°C rated

**Insulation Shield**
- Extruded Semi-conducting thermosetting polymeric layer
  - CSA 68.10 - Shield Removal/termination requirements are printed on the surface
  - Phase identification as per ICEA Method 3, using printed circuit numbers
  - Meets requirement of ICEA but built to CSA standards

**Copper Tape Shield**
- Helically wrapped 3 mil copper tape with 25% overlap

**Bonding Conductor**
- Class B compressed stranded bare copper
  - in accordance with ASTM B3 and B8

**Fillers**
- Non-wicking, non-hygroscopic

**Overall Jacket**
- Black PVC (optional colours available)
- Nominal Thickness:
  - No.1 AWG to No.3/0 AWG = 0.11 inches (2.79mm)
  - No.4/0 AWG to 500 kcmil = 0.14 inches (3.56mm)

**Typical Print Legend**
- (CSA) SOUTHWIRE [NESC] #P# 3/C [AWG or kcmil] CU 260 EPR 25KV 100% INS LEVEL 25% TS SUN RES TC-ER 105° FT4 (-40°C) LTGG RoHS YEAR [SEQUENTIAL METER MARKS]

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**TABLE 1 - WEIGHTS & MEASUREMENTS**

<table>
<thead>
<tr>
<th>HVTC Product Code</th>
<th>AWG or kcmil</th>
<th>Conductor Diameter</th>
<th>Diameter Over Insulation</th>
<th>Diameter Over Insulation Shield</th>
<th>Bonding Cond. Size</th>
<th>Approx. Overall Diameter</th>
<th>Minimum Bend Radius</th>
<th>Approx. Weight of Cable</th>
<th>Max. Reel Weight (reel and cable) **</th>
<th>Max. Diameter / Width **</th>
<th>Max. Length of Cable on Reel **</th>
</tr>
</thead>
<tbody>
<tr>
<td>C260C06-001</td>
<td>1(19)</td>
<td>0.322</td>
<td>8.2</td>
<td>0.872</td>
<td>22.1</td>
<td>0.952</td>
<td>24.2</td>
<td>6</td>
<td>2.320</td>
<td>58.9</td>
<td>12063</td>
</tr>
<tr>
<td>C260C06-010</td>
<td>1/0(19)</td>
<td>0.362</td>
<td>9.2</td>
<td>0.912</td>
<td>23.2</td>
<td>0.992</td>
<td>25.2</td>
<td>6</td>
<td>2.406</td>
<td>61.1</td>
<td>12801</td>
</tr>
<tr>
<td>C260C06-020</td>
<td>2/0(19)</td>
<td>0.405</td>
<td>10.3</td>
<td>0.955</td>
<td>24.3</td>
<td>1.035</td>
<td>26.3</td>
<td>6</td>
<td>2.499</td>
<td>63.5</td>
<td>13686</td>
</tr>
<tr>
<td>C260C06-030</td>
<td>3/0(19)</td>
<td>0.456</td>
<td>11.6</td>
<td>1.006</td>
<td>25.6</td>
<td>1.086</td>
<td>27.8</td>
<td>4</td>
<td>2.590</td>
<td>66.3</td>
<td>15122</td>
</tr>
<tr>
<td>C260C06-040</td>
<td>4/0(19)</td>
<td>0.512</td>
<td>13.0</td>
<td>1.062</td>
<td>27.0</td>
<td>1.142</td>
<td>29.0</td>
<td>4</td>
<td>2.790</td>
<td>70.9</td>
<td>16220</td>
</tr>
<tr>
<td>C260C06-050</td>
<td>500(37)</td>
<td>0.789</td>
<td>20.0</td>
<td>1.349</td>
<td>34.3</td>
<td>1.429</td>
<td>36.3</td>
<td>3</td>
<td>3.410</td>
<td>86.6</td>
<td>17385</td>
</tr>
</tbody>
</table>

**NOTE:** These are minimum average dimensions as per CSA Standards.

* Other conductor sizes and outer jacket colours are available upon request. (#s in brackets represent # of strands / conductor)

** Longer maximum lengths may be possible. Standard sizes and lengths may be supplied. Reel sizes are not guaranteed. The factory reserves the right to make changes as necessary to optimize manufacturing requirements.
## Table 2 - Engineering Specifications

<table>
<thead>
<tr>
<th>HVTC Product Code</th>
<th>Maximum Pulling Tension</th>
<th>DC Resistance @ 25°C ( R_{dc} )</th>
<th>AC Resistance @ 90°C, 50Hz (triplex formation) ( R_{ac} )</th>
<th>Inductance ( L )</th>
<th>Capacitance ( C )</th>
<th>Inductive Reactance @ 60Hz ( X_L )</th>
<th>Capacitive Reactance @ 60Hz ( X_C )</th>
<th>Positive-Sequence Impedance*</th>
<th>Zero-Sequence Impedance*</th>
<th>Short Circuit Current (each phase conductor) @ 60Hz</th>
<th>Allowable Ampacities in Ventilated Cable Tray †</th>
<th>Allowable Ampacities Directly Buried in Earth ‡</th>
</tr>
</thead>
<tbody>
<tr>
<td>CU260C06-001</td>
<td>2009</td>
<td>8935</td>
<td>0.129</td>
<td>0.423</td>
<td>0.161</td>
<td>0.529</td>
<td>0.463</td>
<td>0.538</td>
<td>0.164</td>
<td>0.162 + j0.047</td>
<td>0.530 + j0.368</td>
<td>5.7</td>
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<tr>
<td>CU260C06-010</td>
<td>2534</td>
<td>11274</td>
<td>0.102</td>
<td>0.335</td>
<td>0.128</td>
<td>0.419</td>
<td>0.373</td>
<td>0.532</td>
<td>0.175</td>
<td>0.128 + j0.046</td>
<td>0.493 + j0.352</td>
<td>7.2</td>
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<tr>
<td>CU260C06-020</td>
<td>3194</td>
<td>14209</td>
<td>0.081</td>
<td>0.266</td>
<td>0.101</td>
<td>0.333</td>
<td>0.109</td>
<td>0.365</td>
<td>0.186</td>
<td>0.102 + j0.044</td>
<td>0.464 + j0.336</td>
<td>9.0</td>
</tr>
<tr>
<td>CU260C06-030</td>
<td>4027</td>
<td>17914</td>
<td>0.064</td>
<td>0.211</td>
<td>0.081</td>
<td>0.264</td>
<td>0.106</td>
<td>0.347</td>
<td>0.203</td>
<td>0.081 + j0.042</td>
<td>0.439 + j0.319</td>
<td>11.4</td>
</tr>
<tr>
<td>CU260C06-040</td>
<td>5078</td>
<td>22590</td>
<td>0.051</td>
<td>0.167</td>
<td>0.084</td>
<td>0.210</td>
<td>0.102</td>
<td>0.338</td>
<td>0.221</td>
<td>0.085 + j0.040</td>
<td>0.417 + j0.301</td>
<td>14.3</td>
</tr>
<tr>
<td>CU260C06-250</td>
<td>6000</td>
<td>26689</td>
<td>0.043</td>
<td>0.154</td>
<td>0.054</td>
<td>0.178</td>
<td>0.099</td>
<td>0.327</td>
<td>0.220</td>
<td>0.077</td>
<td>0.123</td>
<td>0.065 + j0.040</td>
</tr>
<tr>
<td>CU260C06-350</td>
<td>8400</td>
<td>37365</td>
<td>0.031</td>
<td>0.101</td>
<td>0.039</td>
<td>0.128</td>
<td>0.096</td>
<td>0.316</td>
<td>0.262</td>
<td>0.035</td>
<td>0.117</td>
<td>0.040 + j0.038</td>
</tr>
<tr>
<td>CU260C06-500</td>
<td>12000</td>
<td>53379</td>
<td>0.022</td>
<td>0.071</td>
<td>0.028</td>
<td>0.092</td>
<td>0.090</td>
<td>0.296</td>
<td>0.196</td>
<td>0.028</td>
<td>0.1117</td>
<td>0.028 + j0.038</td>
</tr>
</tbody>
</table>

* Calculations are based on 5 mil 25% over-lapping copper tape shield / Conductor temperature of 90°C / Shield temperature of 45°C / Earth resistivity of 100 ohms-meter
1 Ampacities are based on Table D17N of the 2015 Canadian Electrical Code Part I (40°C Ambient Air Temperature, indoor installation)
2 Ampacities are based on Table D17E of the 2015 Canadian Electrical Code Part I
3 For use in cable trays, exposed run and hazardous locations as per the limitations in the Canadian Electrical Code Part I, particularly Table 19.