3M™ Round Conductor Flat Cable
.050" 28 AWG Stranded, PVC

3365 Series

- 28 AWG wire on .050 inch centers permits mass termination to a broad line of IDC connectors
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- Available in Gray or Black
- See Regulatory Information Appendix (RIA) for chemical compliance information (RIA E1 & C1 apply)

Physical

**Insulation:**
- Material: Polyvinyl Chloride (PVC)
- Color: Gray Standard or Black (see ordering information)

**Marking:**
- Standard: None
- Canadian Option: AWM 2651 105C 300V VW1 3M NU  C AWM IA 105C 300V FT1  EU <50V

**Conductors:** 28 AWG, 7 x 36 [7 x Ø 0.127] Tinned Stranded Copper (89% Conductivity)

Electrical

**Voltage Rating:**
- USA: 300V
- Canada: 300V
- EU: <50V

**Insulation Resistance:**
> 1 x 10¹⁰ Ω/10 ft. [3 m]

**Characteristic Impedance:**
- Unbalanced: 102 Ω
- Balanced: 172 Ω

**Capacitance:**
- 14.47 pF/ft [47.5 pF/m]
- 8.14 pF/ft [26.7 pF/m]

**Inductance:**
- 0.15 μH/ft [0.49 μH/m]
- 0.24 μH/ft [0.79 μH/m]

**Propagation Delay:**
- 1.47 ns/ft [4.86 ns/m]
- 1.4 ns/ft [4.59 ns/m]

**Velocity of Propagation:**
- Unbalanced: 69%
- Balanced: 73%

**Note:** Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between conductors within a pair.

Environmental

**Temperature Rating:**
- -20°C to +105°C

**Flammability Rating:**
- USA: VW-1
- Canada: FT1

UL File No.: E42769, Style No: 2651
### 3M™ Round Conductor Flat Cable

#### .050" 28 AWG Stranded, PVC

#### 3365 Series

#### Number of Conductors

<table>
<thead>
<tr>
<th>Number of Conductors</th>
<th>3M Part Number</th>
<th>Dimension A</th>
<th>Dimension B</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>3365/06</td>
<td>0.300 ± .010 [7.62]</td>
<td>0.250 ± .007 [6.35]</td>
</tr>
<tr>
<td>08</td>
<td>3365/08</td>
<td>0.400 ± .010 [10.16]</td>
<td>0.350 ± .007 [8.89]</td>
</tr>
<tr>
<td>09</td>
<td>3365/09</td>
<td>0.450 ± .010 [11.43]</td>
<td>0.400 ± .007 [10.16]</td>
</tr>
<tr>
<td>10</td>
<td>3365/10</td>
<td>0.500 ± .010 [12.70]</td>
<td>0.450 ± .007 [11.43]</td>
</tr>
<tr>
<td>12</td>
<td>3365/12</td>
<td>0.600 ± .010 [15.24]</td>
<td>0.550 ± .007 [13.97]</td>
</tr>
<tr>
<td>14</td>
<td>3365/14</td>
<td>0.700 ± .010 [17.78]</td>
<td>0.650 ± .007 [16.51]</td>
</tr>
<tr>
<td>15</td>
<td>3365/15</td>
<td>0.750 ± .010 [19.05]</td>
<td>0.700 ± .007 [17.78]</td>
</tr>
<tr>
<td>16</td>
<td>3365/16</td>
<td>0.800 ± .015 [20.32]</td>
<td>0.750 ± .011 [19.05]</td>
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<tr>
<td>20</td>
<td>3365/20</td>
<td>1.000 ± .015 [25.40]</td>
<td>0.950 ± .011 [24.13]</td>
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<tr>
<td>26</td>
<td>3365/26</td>
<td>1.300 ± .015 [33.02]</td>
<td>1.250 ± .011 [31.75]</td>
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<tr>
<td>30</td>
<td>3365/30</td>
<td>1.500 ± .020 [38.10]</td>
<td>1.450 ± .015 [36.83]</td>
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<tr>
<td>34</td>
<td>3365/34</td>
<td>1.700 ± .020 [43.18]</td>
<td>1.650 ± .015 [41.91]</td>
</tr>
<tr>
<td>36</td>
<td>3365/36</td>
<td>1.800 ± .020 [45.72]</td>
<td>1.750 ± .015 [44.45]</td>
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<tr>
<td>37</td>
<td>3365/37</td>
<td>1.850 ± .020 [46.99]</td>
<td>1.800 ± .015 [45.72]</td>
</tr>
<tr>
<td>40</td>
<td>3365/40</td>
<td>2.000 ± .020 [50.80]</td>
<td>1.950 ± .015 [49.53]</td>
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<tr>
<td>44</td>
<td>3365/44</td>
<td>2.200 ± .020 [55.88]</td>
<td>2.150 ± .015 [54.61]</td>
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<tr>
<td>50</td>
<td>3365/50</td>
<td>2.500 ± .020 [63.50]</td>
<td>2.450 ± .015 [62.23]</td>
</tr>
<tr>
<td>60</td>
<td>3365/60</td>
<td>3.000 ± .020 [76.20]</td>
<td>2.950 ± .015 [74.93]</td>
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<tr>
<td>64</td>
<td>3365/64</td>
<td>3.200 ± .020 [81.28]</td>
<td>3.150 ± .015 [80.01]</td>
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</table>

#### Tolerance Unless Noted

<table>
<thead>
<tr>
<th>Inch [mm]</th>
<th>.0</th>
<th>.00</th>
<th>.000</th>
</tr>
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<tbody>
<tr>
<td>Inch</td>
<td>±1</td>
<td>±.01</td>
<td>±.005</td>
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</tbody>
</table>

[ ] Dimensions for Reference Only

#### Ordering Information

**3365X / XX XX**

- **Blank** = Standard
- **C** = Canadian Certified Version
- **Color Options**
  - Blank = Gray (Standard)
  - **A** = Black (Special)
- **Blank** = Standard
- **SF** = Splice Free

**Number of Conductors (See Table)**

Note: Available in standard 100 ft and 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

Note: Red marking on one edge of cable designates wire #1.

28 AWG, 7 X 36 [7 X ø 0.127] Tinned Stranded Copper Conductors

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