3M™ Color Coded Flat Cable

.050" 28 AWG Stranded, PVC

3302 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
- Color coded for wire identification
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: May 1, 2012
TS-0123-C
Sheet 1 of 2

Physical

Insulation:
- Material: Polyvinyl Chloride (PVC)
- Color: 10 Color Repeat, Clear Carrier

Marking:
- Standard: None
- Canadian Option: AWM 20462 105C 300V VW1 3M NU C AWM IA 80C 150V FT1 EU <50V

Conductors: 28 AWG, 7 x 36 AWG [ 7 x Ø 0.127 ] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 300V Canada: 150V EU: <50V
Insulation Resistance: > 1 x 10^9 Ω/10 ft. [ 3 m ]
Characteristic Impedance: Unbalanced
105 Ω
Capacitance: 14.1 pF/ft [ 46.3 pF/m ]
Inductance: 0.15 μH/ft [ 0.49 μH/m ]
Propagation Delay: 1.47 ns/ft [ 4.82 ns/m ]
Velocity of Propagation: 69%

Note: Unbalanced is measured between ground-signal-ground conductors.

Environmental

Temperature Rating: USA: -20°C to +105°C Canada: -20°C to +80°C
Flammability Rating: USA: VW-1 Canada: FT1

UL File No.: E42769, Style No: 20462
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3302 Series

**Interconnect Solutions**
http://www.3Mconnectors.com

#### Ordering Information

<table>
<thead>
<tr>
<th>Number of Conductors</th>
<th>3M Part Number</th>
<th>Dimension A [mm]</th>
<th>Dimension B [mm]</th>
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<tr>
<td>09</td>
<td>3302/09</td>
<td>0.450 ± .015</td>
<td>0.400 ± .010</td>
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<td>14</td>
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<td>0.750 ± .015</td>
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<td>0.950 ± .015</td>
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<td>1.500 ± .025</td>
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- **Note:**
  - Available in standard lengths of 100 feet or 300 feet per roll, please specify when ordering.

*10 Color Repeat
Brown
Red
Orange
Yellow
Green
Blue
Violet
Gray
White
Black

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For technical, sales or ordering information call
800-225-5373

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**Inch**

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<th></th>
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<td>±.01</td>
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[] Dimensions for Reference Only
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