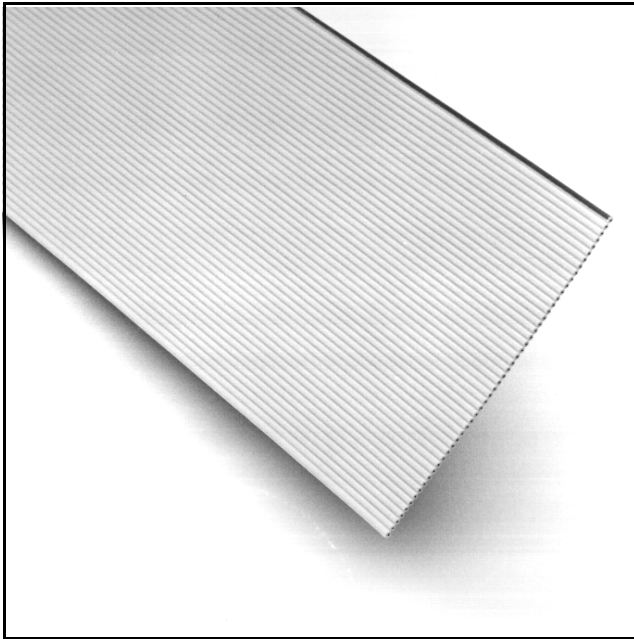


# 3M™ Round Conductor Flat Cable

.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
- RoHS\* compliant

Date Modified: December 12, 2006

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## 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 × 36 [ 7 × ø 0.127 ] Tinned Stranded Copper (89% Conductivity)

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## Electrical

**Voltage Rating:** USA: 300V

Canada: 300V

EU: <50V

**Insulation Resistance:**  $>1 \times 10^{10} \Omega / 10\text{ft} [3\text{m}]$

### Unbalanced

### Balanced

**Characteristic Impedance:** 102  $\Omega$

172  $\Omega$

**Capacitance:** 14.47 pF/ft [ 47.5 pF/m ]

8.14 pF/ft [ 26.7 pF/m ]

**Inductance:** 0.15  $\mu\text{H}/\text{ft}$  [ 0.49  $\mu\text{H}/\text{m}$  ]

0.24  $\mu\text{H}/\text{ft}$  [ 0.79  $\mu\text{H}/\text{m}$  ]

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

1.4 ns/ft [ 4.59 ns/m ]

**Velocity of Propagation:** 69%

73%

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

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## Environmental

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

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

Canada: FT1

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E42769, Style No.: 2651



Interconnect Solutions

<http://www.3M.com/interconnects/>

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For technical, sales or ordering information call

800-225-5373

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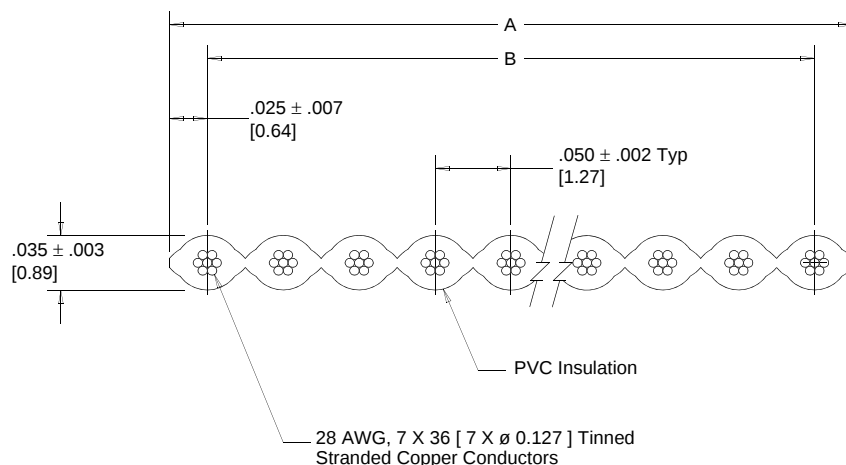


Inch  
[mm]

| Tolerance Unless Noted |     |      |       |
|------------------------|-----|------|-------|
|                        | .0  | .00  | .000  |
| inch                   | ±.1 | ±.01 | ±.005 |

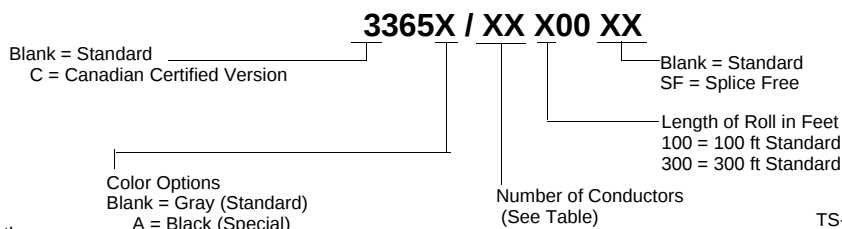
[ ] Dimensions for Reference Only

| Number of Conductors | 3M Part Number | Dimension A            | Dimension B            |
|----------------------|----------------|------------------------|------------------------|
| 06                   | 3365/06        | 0.300 ± .010 [ 7.62 ]  | 0.250 ± .007 [ 6.35 ]  |
| 08                   | 3365/08        | 0.400 ± .010 [ 10.16 ] | 0.350 ± .007 [ 8.89 ]  |
| 09                   | 3365/09        | 0.450 ± .010 [ 11.43 ] | 0.400 ± .007 [ 10.16 ] |
| 10                   | 3365/10        | 0.500 ± .010 [ 12.70 ] | 0.450 ± .007 [ 11.43 ] |
| 12                   | 3365/12        | 0.600 ± .010 [ 15.24 ] | 0.550 ± .007 [ 13.97 ] |
| 14                   | 3365/14        | 0.700 ± .010 [ 17.78 ] | 0.650 ± .007 [ 16.51 ] |
| 15                   | 3365/15        | 0.750 ± .010 [ 19.05 ] | 0.700 ± .007 [ 17.78 ] |
| 16                   | 3365/16        | 0.800 ± .015 [ 20.32 ] | 0.750 ± .011 [ 19.05 ] |
| 20                   | 3365/20        | 1.000 ± .015 [ 25.40 ] | 0.950 ± .011 [ 24.13 ] |
| 24                   | 3365/24        | 1.200 ± .015 [ 30.48 ] | 1.150 ± .011 [ 29.21 ] |
| 25                   | 3365/25        | 1.250 ± .015 [ 31.75 ] | 1.200 ± .011 [ 30.48 ] |
| 26                   | 3365/26        | 1.300 ± .015 [ 33.02 ] | 1.250 ± .011 [ 31.75 ] |
| 30                   | 3365/30        | 1.500 ± .020 [ 38.10 ] | 1.450 ± .015 [ 36.83 ] |
| 34                   | 3365/34        | 1.700 ± .020 [ 43.18 ] | 1.650 ± .015 [ 41.91 ] |
| 36                   | 3365/36        | 1.800 ± .020 [ 45.72 ] | 1.750 ± .015 [ 44.45 ] |
| 37                   | 3365/37        | 1.850 ± .020 [ 46.99 ] | 1.800 ± .015 [ 45.72 ] |
| 40                   | 3365/40        | 2.000 ± .020 [ 50.80 ] | 1.950 ± .015 [ 49.53 ] |
| 44                   | 3365/44        | 2.200 ± .020 [ 55.88 ] | 2.150 ± .015 [ 54.61 ] |
| 50                   | 3365/50        | 2.500 ± .020 [ 63.50 ] | 2.450 ± .015 [ 62.23 ] |
| 60                   | 3365/60        | 3.000 ± .020 [ 76.20 ] | 2.950 ± .015 [ 74.93 ] |
| 64                   | 3365/64        | 3.200 ± .020 [ 81.28 ] | 3.150 ± .015 [ 80.01 ] |



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

## Ordering Information



Note: Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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Minimum 10%  
Post-Consumer Fiber

Printed in USA.

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