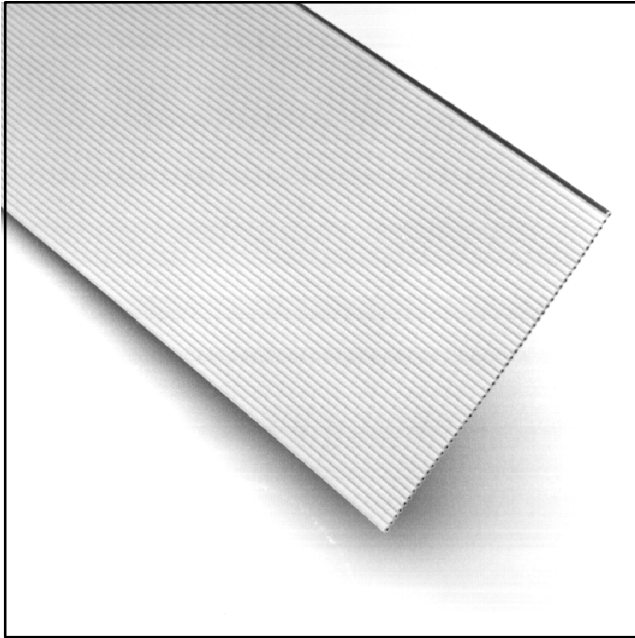


3M™ Round Conductor Flat Cable

.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: May 24, 2004

TS-0080-14
Sheet 1 of 2

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  AWM IA 105C 300V FT1
EU <50V

Conductors: 28 AWG 7 × 36 [7 × 0.127] Tinned Stranded Copper

Electrical

| | | | |
|----------------------------------|---|------------------------|----------|
| Voltage Rating: | USA: 300V | Canada: 300V | EU: <50V |
| Insulation Resistance: | $> 1 \times 10^{10} \Omega/10 \text{ ft. [3m]}$ | | |
| | <u>Unbalanced</u> | <u>Balanced</u> | |
| Characteristic Impedance: | 102 Ω | 172 Ω | |
| Capacitance: | 14.47 pF/ft. | 8.14 pF/ft. | |
| Inductance: | 0.15 $\mu\text{H/ft.}$ | 0.24 $\mu\text{H/ft.}$ | |
| Propagation Delay: | 1.47 ns/ft. | 1.40 ns/ft. | |
| Velocity of Propagation: | 69% | 73% | |

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

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: USA: VW-1

Canada: FT1

*RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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

3M

Interconnect Solutions

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

3M is a trademark of 3M Company.

For technical, sales or ordering information call

800-225-5373

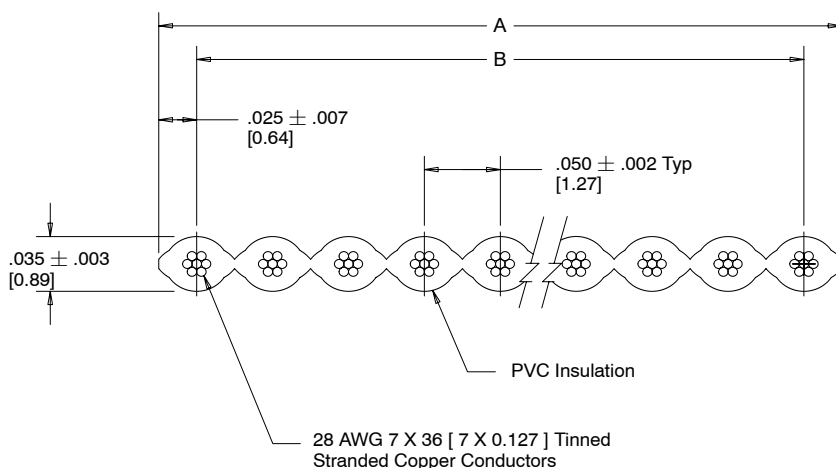
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| Number of Conductors | 3M Part Number | Dimension A | Dimension B |
|----------------------|----------------|------------------------|------------------------|
| 06 | 3365/06 | 0.300 ± .010 [7.62] | 0.250 ± .007 [6.35] |
| 08 | 3365/08 | 0.400 ± .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 [12.7] |
| 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.

Inch
[mm]

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

[] Dimensions for
Reference Only

Ordering Information

3365X/XX

Blank = Standard

C = Canadian Certified Version

Number of Conductors
(See Table)

Color Options

Blank = Gray (Standard Product)

A = Black (Special Product)

Note:

1. Available in standard lengths of 100 feet, 300 feet, 30 meters or 100 meters per roll, please specify when ordering.

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Sheet 2 of 2

Important Notice

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