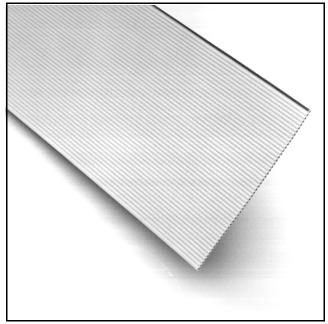
3M[™] Round Conductor Flat Cable

.050" 28 AWG Stranded, PVC



- 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

TS-0080-15 Sheet 1 of 2

Physical

| Insulation | |
|------------------|--|
| Material: | Polyvinyl Chloride (PVC) |
| Color: | Gray Standard or Black (see ordering information) |
| Marking | |
| Standard: | None |
| Canadian Option: | R AWM 2651 105C 300V VW1 3M NU C R AWM IA 105C 300V FT1 EU <50V |
| Conductors: | 28 AWG, 7×36 [7×0.127] Tinned Stranded Copper (89% Conductivity) |

Electrical

| Voltage Rating: | | Canada: 300V | EU: <50V | | | | |
|---|---|--------------------------|----------|--|--|--|--|
| Insulation Resistance: | >1 x 10 ¹⁰ Ω /10ft [3m] Unbalanced | Balanced | | | | | |
| | Ulibalaliceu | Dalanceu | | | | | |
| Characteristic Impedance: | 102 Ω | 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: | 69% | 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

"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

3M[™] Round Conductor Flat Cable

.050" 28 AWG Stranded, PVC

3365 Series

| | 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] | | | | |
| c FL® | 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] | | | | |
| Inch | 37 | 3365/37 | 1.850 ± .020 [46.99] | 1.800 ± .015 [45.72] | | | | |
| [mm] | 40 | 3365/40 | 2.000 ± .020 [50.80] | 1.950 ± .015 [49.53] | | | | |
| Tolerance Unless Noted | 44 | 3365/44 | 2.200 ± .020 [55.88] | 2.150 ± .015 [54.61] | | | | |
| .0 .00 .000 | 50 | 3365/50 | 2.500 ± .020 [63.50] | 2.450 ± .015 [62.23] | | | | |
| inch ±.1 ±.01 ±.005 | 60 | 3365/60 | 3.000 ± .020 [76.20] | 2.950 ± .015 [74.93] | | | | |
| []Dimensions for Reference Only | 64 | 3365/64 | 3.200 ± .020 [81.28] | 3.150 ± .015 [80.01] | | | | |
| .025 ± .007 [0.64] .035 ± .002 Typ [1.27] .035 ± .003 [0.89] .035 ± .003 [0.89] .035 ± .003 .035 ± .035 | | | | | | | | |
| Stranded Copper Conductors Note: Red marking on one edge of cable designates wire #1. Ordering Information | | | | | | | | |
| Blank = Standard | | | | | | | | |
| Note: Contact 3M for availability of additional conductor counts and/or custom roll lengths. Blank = Gray (Standard) (See Table) Number of Conductors (See Table) | | | | | | | | |

3M Interconnect Solutions http://www.3M.com/interconnects/

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6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/electronics

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Minimum 10% Post-Consumer Fiber

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