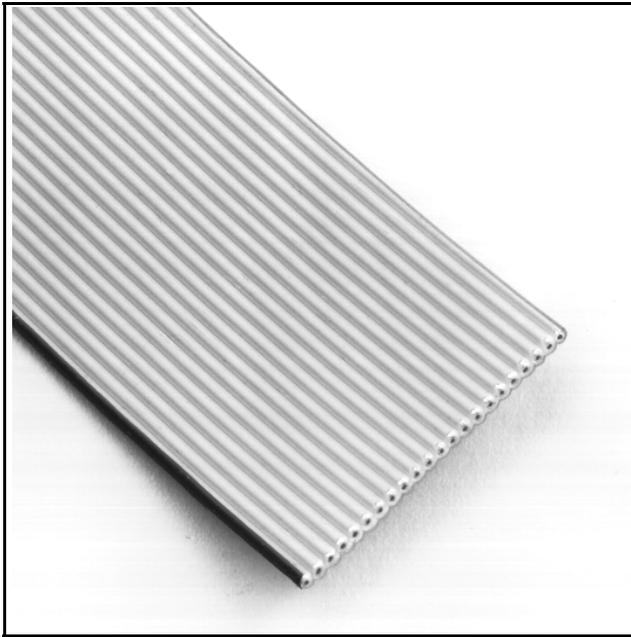


3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, TPE

3355 Series



- 28 AWG wire on .050 inch centers permits mass terminations to a broad line of IDC connectors
- TPE insulation provides excellent transmission properties at a low cost
- Zippable for branching or discrete terminations.
- RoHS* compliant

Date Modified: July 24, 2006

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Sheet 1 of 2

Physical

Insulation

Material: Thermoplastic Elastomer (TPE)

Color: Gray

Marking

Standard: None

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

Electrical

Voltage Rating: USA: 300V

EU: <50V

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

Unbalanced

Characteristic Impedance: 117 Ω

Capacitance: 11.7 pF/ft (38.4 pF/m)

Inductance: 0.16 $\mu\text{H}/\text{ft}$ (0.52 $\mu\text{H}/\text{m}$)

Propagation Delay: 1.37 ns/ft (4.49 ns/m)

Velocity of Propagation: 74%

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

Environmental

Temperature Rating: -40°C to +105°C

Flammability Rating: USA: UL Horizontal

"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. Contain decaBDE. Compliant per EU Commission Decision 2005/17/EC, Annex Item 9a - Exemption for decaBDE in Polymeric Applications.

UL File No.: E42769, Style No.: 20297

3M

Interconnect Solutions

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

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For technical, sales or ordering information call

800-225-5373

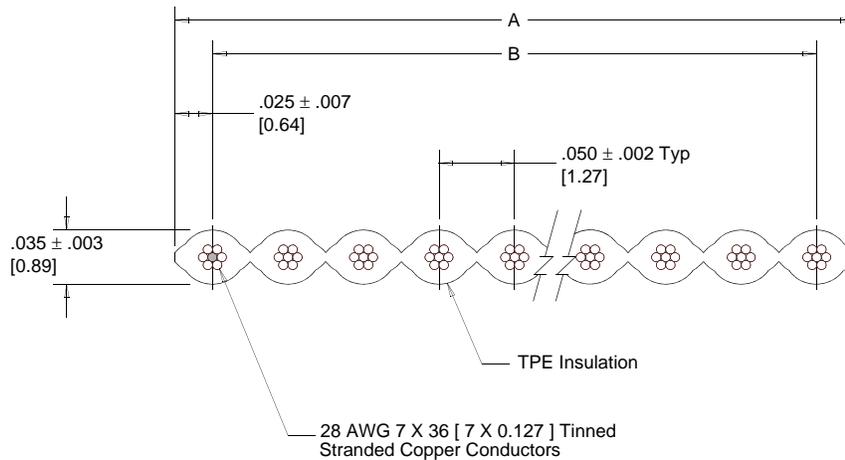
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Number of Conductors	3M Part Number	Dimension A	Dimension B
09	3355/09	0.450 ± .010 [11.43]	0.400 ± .007 [10.16]
10	3355/10	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
14	3355/14	0.700 ± .010 [17.78]	0.650 ± .007 [16.51]
15	3355/15	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
16	3355/16	0.800 ± .015 [20.32]	0.750 ± .011 [19.05]
18	3355/18	0.900 ± .015 [22.86]	0.850 ± .011 [21.59]
20	3355/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	3355/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	3355/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	3355/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	3355/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	3355/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	3355/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	3355/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	3355/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	3355/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	3355/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	3355/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]



Inch
[mm]

Tolerance Unless Noted			
Inch	.0	.00	.000
	±.1	±.05	±.010

[] Dimensions for Reference only

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

Ordering Information

3355/XX

Number of Conductors
(See Table)

Note: Available in standard lengths of 100 feet or 300 feet per roll, please specify when ordering.

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Important Notice

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3M Electronics

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Minimum 10%
Post-Consumer Fiber

Printed in USA.

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