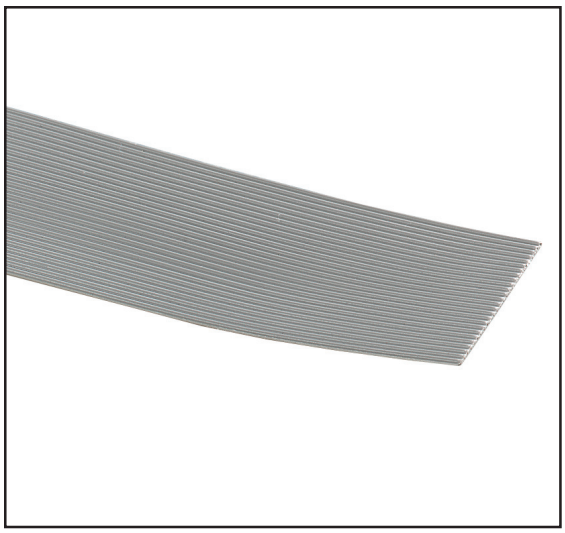
3M™ Round Conductor Flat Cable

.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.
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: March 15, 2010

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: $> 1 \times 10^{10}$ Ω/10 ft. [3 m]

	Unbalanced
Characteristic Impedance:	117 Ω
Capacitance:	11.7 pF/ft [38.4 pF/m]
Inductance:	0.16 µH/ft [0.52 µH/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

UL File No.: E42769, Style No: 20297

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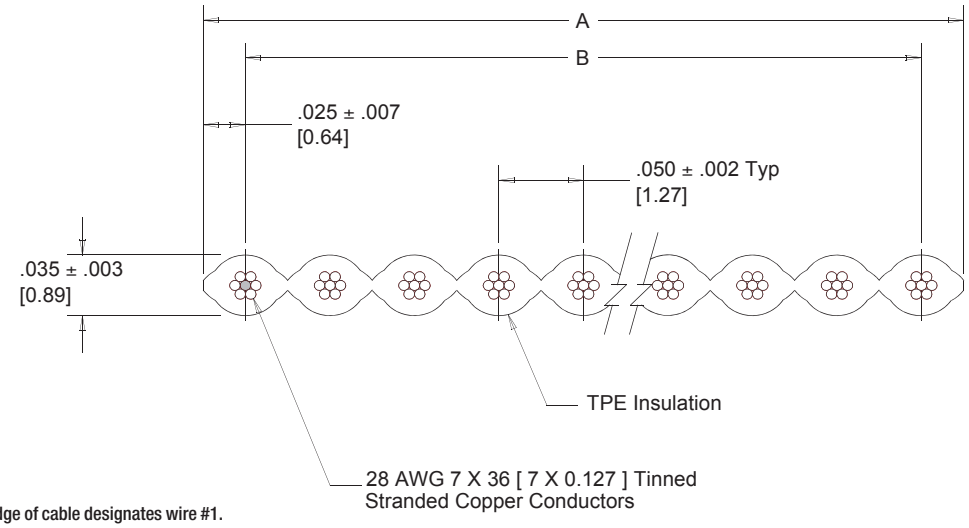
.050" 28 AWG Stranded, TPE — 3355 Series

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			
	.0	.00	.000
Inch	±.1	±.05	±.010

[ ] Dimensions for Reference Only



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

Ordering Information

3355 / XX XX

- XX (Number of Conductors): Number of Conductors (See Table)
- XX (Blank = Standard / SF = Splice Free): Blank = Standard; SF = Splice Free

Note: Available in common lengths of 100 ft/roll or 300 ft/roll (30 m /roll or 91 m/roll), please specify when ordering.

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

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

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RIA-2217B-E
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