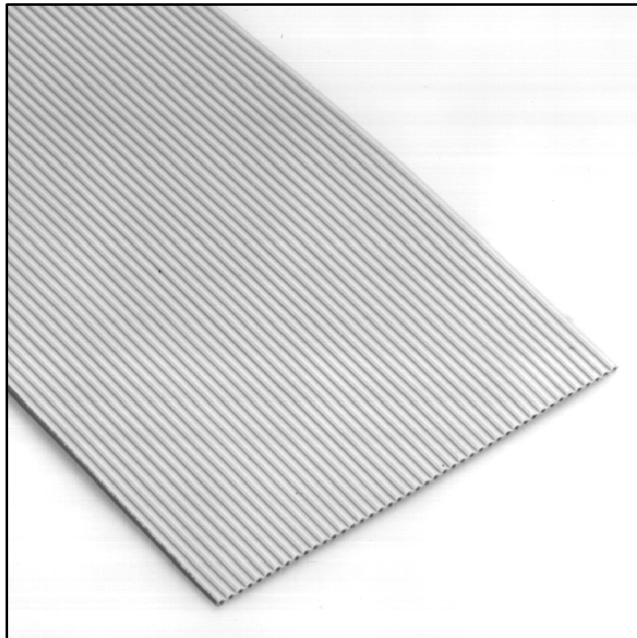


# 3M™ Round Conductor Flat Cable

1.0 mm 28 AWG Stranded, PVC

3625 Series



- 28 AWG stranded conductors on 1mm wire spacing is designed for mass termination to metric connectors
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- RoHS compliant

Date Modified: March 23, 2004

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## Physical

### Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray

### 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

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## Electrical

<b>Voltage Rating:</b>	USA: 300V	Canada: 300V	EU: <50V
<b>Insulation Resistance:</b>	>1 x 10 <sup>10</sup> Ω /10ft [3m]		
	<b>Unbalanced</b>	<b>Balanced</b>	
<b>Characteristic Impedance:</b>	92 Ω	146 Ω	
<b>Capacitance:</b>	54.5 pF/m (16.6 pF/ft)	32.2 pF/m (9.8 pF/ft)	
<b>Inductance:</b>	0.46 μH/m (0.14 μH/ft)	0.69 μH/m (0.21 μH/ft)	
<b>Propagation Delay:</b>	4.86 ns/m (1.48 ns/ft)	4.69 ns/m (1.43 ns/ft)	
<b>Velocity of Propagation:</b>	69%	71%	

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

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## 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

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

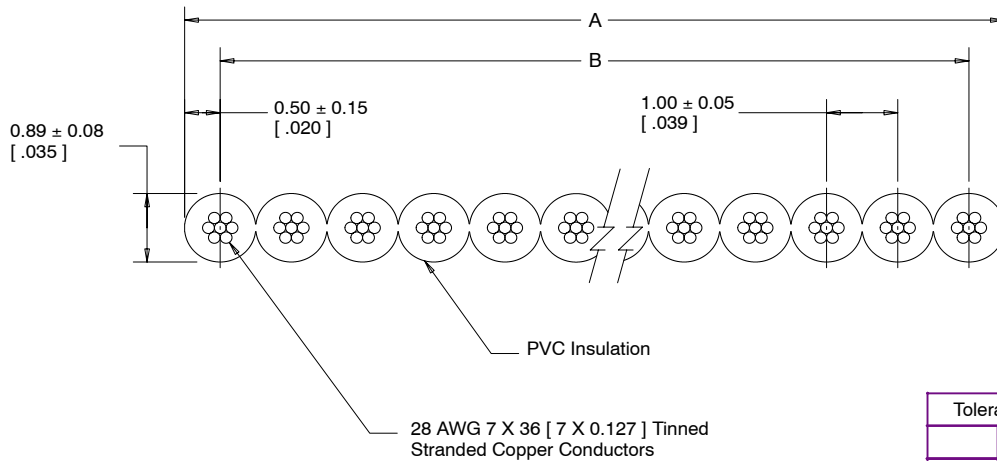
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# 3M™ Round Conductor Flat Cable

## 1.0 mm 28 AWG Stranded, PVC

3625 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
06	3625/06	6.00 ± 0.20 [ .236 ]	5.00 ± 0.18 [ .197 ]
08	3625/08	8.00 ± 0.20 [ .315 ]	7.00 ± 0.18 [ .276 ]
10	3625/10	10.00 ± 0.20 [ .394 ]	9.00 ± 0.18 [ .354 ]
12	3625/12	12.00 ± 0.20 [ .472 ]	11.00 ± 0.18 [ .433 ]
14	3625/14	14.00 ± 0.20 [ .551 ]	13.00 ± 0.18 [ .512 ]
16	3625/16	16.00 ± 0.22 [ .630 ]	15.00 ± 0.20 [ .591 ]
18	3625/18	18.00 ± 0.22 [ .709 ]	17.00 ± 0.20 [ .669 ]
20	3625/20	20.00 ± 0.22 [ .787 ]	19.00 ± 0.20 [ .748 ]
22	3625/22	22.00 ± 0.22 [ .866 ]	21.00 ± 0.20 [ .827 ]
24	3625/24	24.00 ± 0.22 [ .945 ]	23.00 ± 0.20 [ .906 ]
26	3625/26	26.00 ± 0.22 [ 1.024 ]	25.00 ± 0.20 [ .984 ]
28	3625/28	28.00 ± 0.22 [ 1.102 ]	27.00 ± 0.20 [ 1.063 ]
30	3625/30	30.00 ± 0.25 [ 1.181 ]	29.00 ± 0.23 [ 1.142 ]
32	3625/32	32.00 ± 0.25 [ 1.260 ]	31.00 ± 0.23 [ 1.220 ]
34	3625/34	34.00 ± 0.25 [ 1.339 ]	33.00 ± 0.23 [ 1.299 ]
36	3625/36	36.00 ± 0.25 [ 1.417 ]	35.00 ± 0.23 [ 1.378 ]
38	3625/38	38.00 ± 0.25 [ 1.496 ]	37.00 ± 0.23 [ 1.457 ]
40	3625/40	40.00 ± 0.25 [ 1.575 ]	39.00 ± 0.23 [ 1.535 ]
42	3625/42	42.00 ± 0.25 [ 1.654 ]	41.00 ± 0.23 [ 1.614 ]
44	3625/44	44.00 ± 0.25 [ 1.732 ]	43.00 ± 0.23 [ 1.693 ]
46	3625/46	46.00 ± 0.25 [ 1.811 ]	45.00 ± 0.23 [ 1.772 ]
48	3625/48	48.00 ± 0.25 [ 1.890 ]	47.00 ± 0.23 [ 1.850 ]
50	3625/50	50.00 ± 0.25 [ 1.969 ]	49.00 ± 0.23 [ 1.929 ]

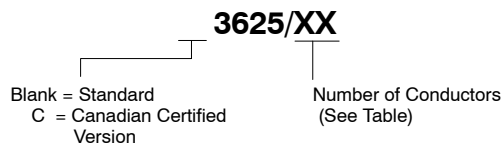


mm [Inch]		
Tolerance Unless Noted		
	.0	.00 .000
mm	± .3	± .13

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

[ ] Dimensions for Reference only

### Ordering Information



Note: Available in 30 m and 100 m roll length. Please specify when ordering.

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