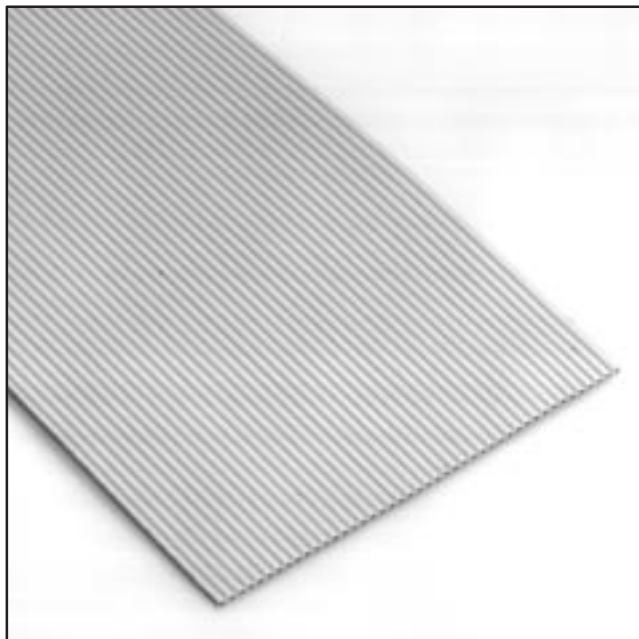


1.0 mm Round Conductor Flat Cable

28 AWG Stranded, PVC

3625 Series



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IMPORTANT NOTICE TO PURCHASER

ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE, BUT THE ACCURACY OR COMPLETENESS THEREOF IS NOT GUARANTEED, AND THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED:

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Date Issued: October 17, 1997

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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 x 36 [7 x 0.127] Tinned Stranded Copper

Electrical

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

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

Environmental

Temperature Rating: -20° C to +105° C

Flammability Rating: USA: VW-1

Canada: FT1

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

3M Electronic Products Division

6801 River Place Blvd.
Austin, TX 78726-9000

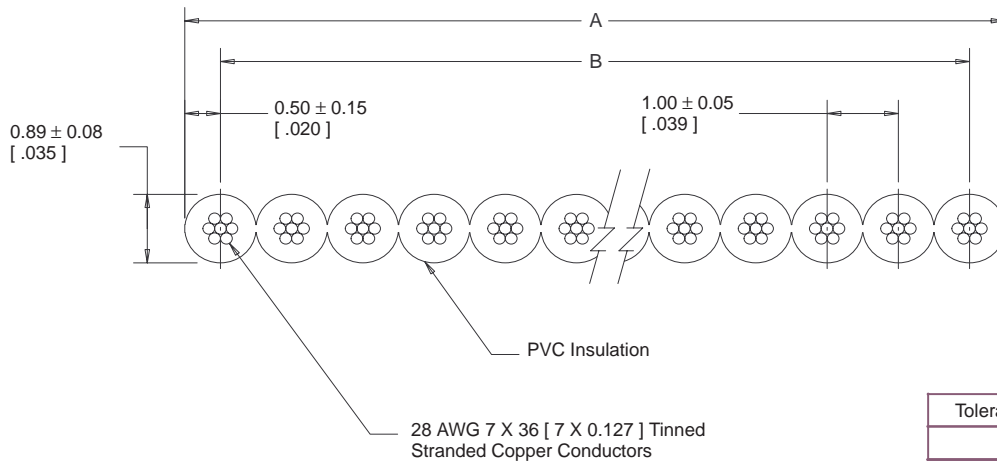
For technical, sales or ordering information call
800-225-5373

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28 AWG Stranded, PVC

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Number of Conductors	3M Part Number	Dimension A	Dimension B
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]

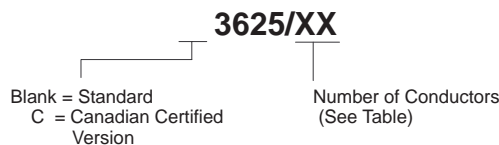


Tolerance Unless Noted			
	.0	.00	.000
mm	±.3	±.13	

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

[] Dimensions for Reference only

Ordering Information



Note: Available in 30 m/roll and 100 m/roll, please specify when ordering.

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