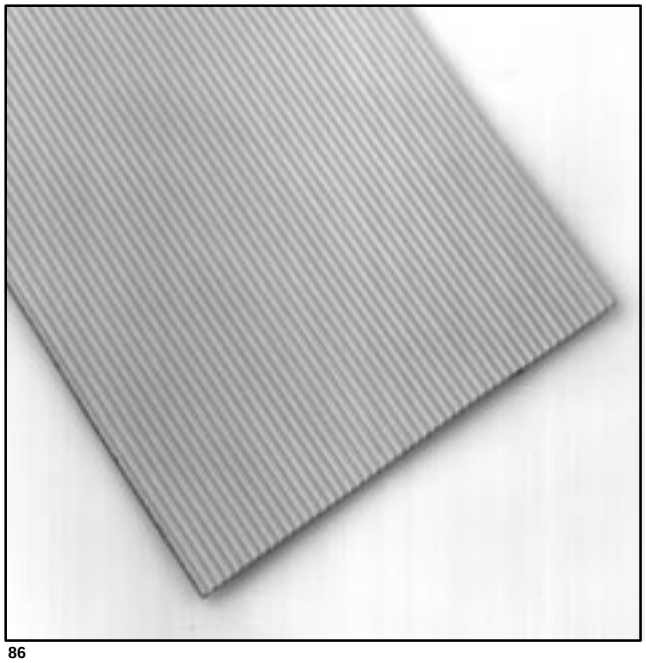
.050″ Round Conductor Flat Cable

28 AWG Solid, PVC

3709 Series



86

- 28 AWG solid wire
- .050 inch centers permit mass termination to a broad line of IDC connectors
- Zippable for branching or discrete termination

Date Modified: June 23, 1999

Physical

Insulation
Material: Polyvinyl Chloride (PVC)
Color: Gray

Marking
Standard: None
Canadian Option: AWM 2651 105C 300V VW1 3M NU C AWM IA 105C 300V FT1 EU <50V

Conductors: 28 AWG [0.32] Tinned Solid Copper

Electrical

Voltage Rating: USA: 300V Canada: 300V EU: <50V

Insulation Resistance: >1 x 10^{10} Ω /10ft [3m]

	Unbalanced	Balanced
Characteristic Impedance:	114 Ω	188 Ω
Capacitance:	12.8 pF/ft (42.0 pF/m)	7.4 pF/ft (24.3 pF/m)
Inductance:	.17 µH/ft (0.56 µH/m)	.26 µH/ft (0.85 µH/m)
Propagation Delay:	1.45 ns/ft (4.76 ns/m)	1.40 ns/ft (4.59 ns/m)
Velocity of Propagation:	70%	73%

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 Interconnect Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000

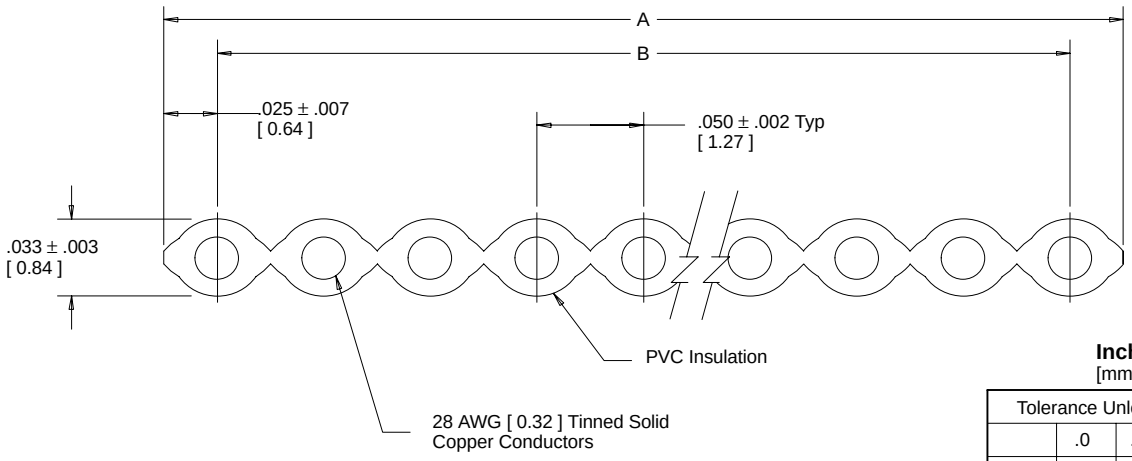
For technical, sales or ordering information call
800-225-5373

.050″ Round Conductor Flat Cable
28 AWG Solid, PVC

3709 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	**3709/09**	0.450 ± .010 [11.43]	0.400 ± .007 [10.18]
10	**3709/10**	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
14	**3709/14**	0.700 ± .010 [17.78]	0.650 ± .007 [16.51]
15	**3709/15**	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
16	**3709/16**	0.800 ± .015 [20.32]	0.750 ± .011 [19.05]
18	**3709/18**	0.900 ± .015 [22.86]	0.850 ± .011 [21.59]
20	**3709/20**	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	**3709/24**	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	**3709/25**	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	**3709/26**	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	**3709/30**	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	**3709/34**	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	**3709/36**	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	**3709/37**	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	**3709/40**	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	**3709/50**	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	**3709/60**	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	**3709/64**	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]

(OPTIONAL)



Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[ ] Dimensions for Reference only

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

Ordering Information

3709/XX

Blank = Standard
C = Canadian Certified Version

Number of Conductors (See Table)

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

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