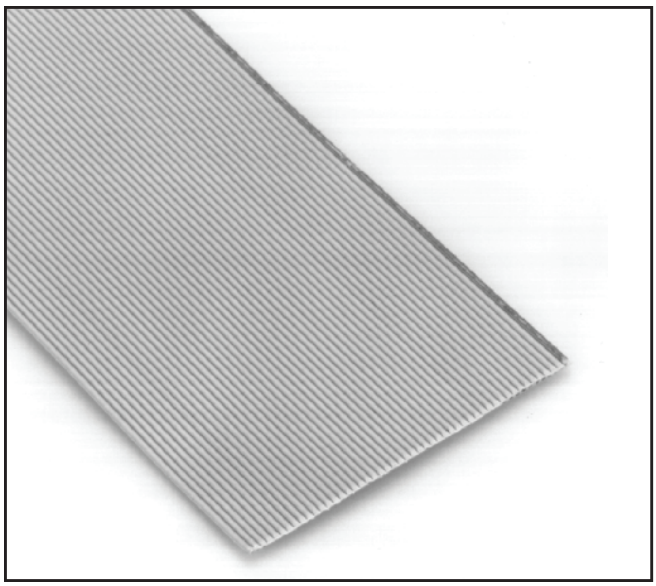
3M™ Round Conductor Flat Cable

.025" 30 AWG Stranded, FEP

3609 Series



- FEP insulation is compatible with most insulation displacement connectors
- .025 inch pitch parallel conductors for mass termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Nonflammable
- UL Recognized to 150°C
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnectors.com for compliance information (RIA E1 and C1 apply)

Date Modified: October 31, 2013

Physical

Insulation:

Material: Flourinated Ethylene Propylene (FEP)

Color: Opaque White

Marking:

Standard: None

Conductors: 30 AWG 7 × 38 AWG [7 × .102] Silver Plated Stranded Copper

Electrical

Voltage Rating: USA: 150V EU: <50V

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

Characteristic Impedance: Unbalanced: 91 Ω

Capacitance: Unbalanced: 14.7 pF/ft [48.2 pF/m]

Inductance: Unbalanced: 0.12 µH/ft [0.39 µH/m]

Propagation Delay: Unbalanced: 1.34 ns/ft [4.40 ns/m]

Velocity of Propagation: 76%

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

Environmental

Temperature Rating: -55°C to +150°C

Flammability Rating: USA: VW-1

UL File No.: E42769, Style No: 20726

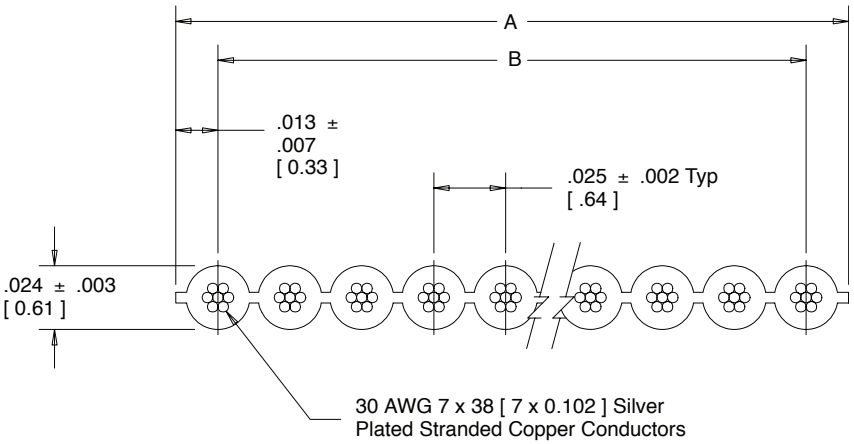
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Number of Conductors	3M Part Number	Dimension A	Dimension B
04	3609/04	0.100 ± .006 [2.54]	0.075 ± .004 [1.91]
06	3609/06	0.150 ± .006 [3.81]	0.125 ± .004 [3.18]
08	3609/08	0.200 ± .006 [5.08]	0.175 ± .004 [4.45]
10	3609/10	0.250 ± .007 [6.35]	0.225 ± .005 [5.72]
12	3609/12	0.300 ± .007 [7.62]	0.275 ± .005 [6.99]
14	3609/14	0.350 ± .007 [8.89]	0.325 ± .005 [8.26]
16	3609/16	0.400 ± .007 [10.16]	0.375 ± .005 [9.53]
20	3609/20	0.500 ± .007 [12.70]	0.475 ± .005 [12.07]
26	3609/26	0.650 ± .007 [16.51]	0.625 ± .005 [15.88]
30	3609/30	0.750 ± .007 [19.05]	0.725 ± .005 [18.42]
34	3609/34	0.850 ± .007 [21.59]	0.825 ± .005 [20.96]
36	3609/36	0.900 ± .007 [22.86]	0.875 ± .005 [22.23]
40	3609/40	1.000 ± .010 [25.40]	0.975 ± .006 [24.77]
50	3609/50	1.250 ± .010 [31.75]	1.225 ± .006 [31.12]
60	3609/60	1.500 ± .010 [38.10]	1.475 ± .006 [37.47]
64	3609/64	1.600 ± .010 [40.64]	1.575 ± .006 [40.01]
68	3609/68	1.700 ± .010 [43.18]	1.675 ± .006 [42.55]
80	3609/80	2.000 ± .010 [50.80]	1.975 ± .006 [50.17]
100	3609/100	2.500 ± .010 [63.50]	2.475 ± .006 [82.87]



Inch
[mm]

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

[ ] Dimensions for Reference Only

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

Ordering Information

3609/XX

Number of Conductors
(See Table)

Note: Available in standard 100 ft rolls. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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

3M is a trademark of 3M Company.

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

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