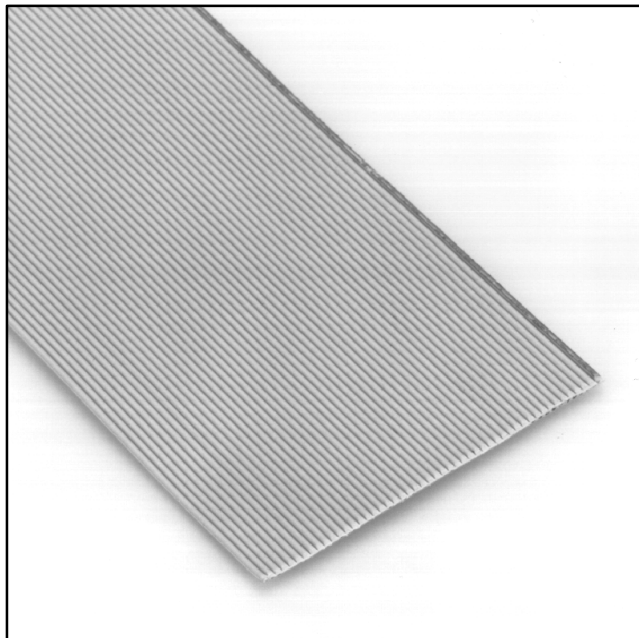


3M™ Round Conductor Flat Cable

.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

Date Modified: March 11, 2004

TS-0654-09
Sheet 1 of 2

Physical

Insulation

Material: Fluorinated Ethylene Propylene (FEP)

Color: Opaque White

Marking

Standard: None

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

Electrical

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

Insulation Resistance: $> 1 \times 10^{10} \Omega/10 \text{ ft. (3 m)}$

Characteristic Impedance: Unbalanced: 91 Ω

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

Inductance: Unbalanced: .12 $\mu\text{H/ft}$ [0.39 $\mu\text{H/m}$]

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

Velocity of Propagation Unbalanced: 76 %

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

Environmental

Temperature Rating: -55°C to +150°C

Flammability Rating: USA: VW-1

*RoHS=Directive 2002/95/IEC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

UL File No.: E42769, Style No.: 20726

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

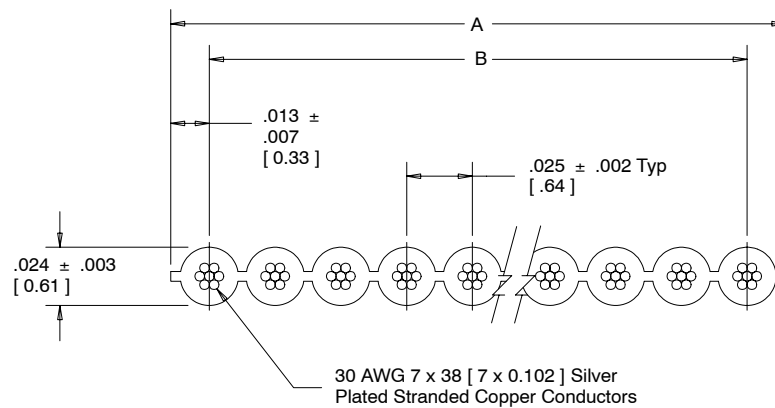
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800-225-5373

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3609 Series

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



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

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

[] Dimensions for Reference Only

Ordering Information

3609/XX

Number of Conductors
(See Table)

Note: Standard length is 100 ft/roll.

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Sheet 2 of 2

Important Notice

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Electronic Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/esd

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