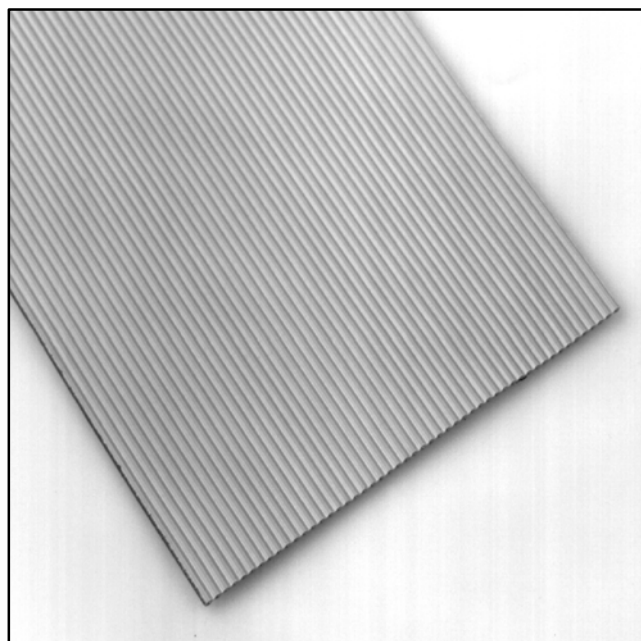


3M™ Round Conductor Flat Cable

.033" 30 AWG Stranded, PVC

3849 Series



- 30 AWG stranded wire on .0333 inch centers permits termination to all three rows in DIN connectors.
- Stranded wire provides flexibility and extended product life.
- Zippable for branching or discrete termination
- RoHS* compliant

Date Modified: January 20, 2004

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Sheet 1 of 2

Physical

Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking

Standard: None

CSA Option:  AWM 2651 105C 300V VW1 3M NU  AWM IA 105C 300V FT1
EU <50V

Conductors: 30 AWG 7 X 38 [7 X 0.102] Tinned Stranded Copper

Electrical

Voltage Rating:	USA: 300V	Canada: 300V	EU: <50V
Insulation Resistance:	> 1 X 10 ¹⁰ Ω/10 ft. [3m]		
	Unbalanced	Balanced	
Characteristic Impedance:	89 Ω	144 Ω	
Capacitance:	17.5 pF/ft. [57.4 pF/m]	10.5 pF/ft (34.5 pF/m)	
Inductance:	14 μH/ft. [0.46 μH/m]	.22 μH/ft (0.72 μH/m)	
Propagation Delay:	1.56 ns/ft. [5.12 ns/m]	1.51 ns/ft (4.95 ns/m)	
Velocity of Propagation:	65%	67%	

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

*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

3M

Interconnect Solutions

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

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For technical, sales or ordering information call

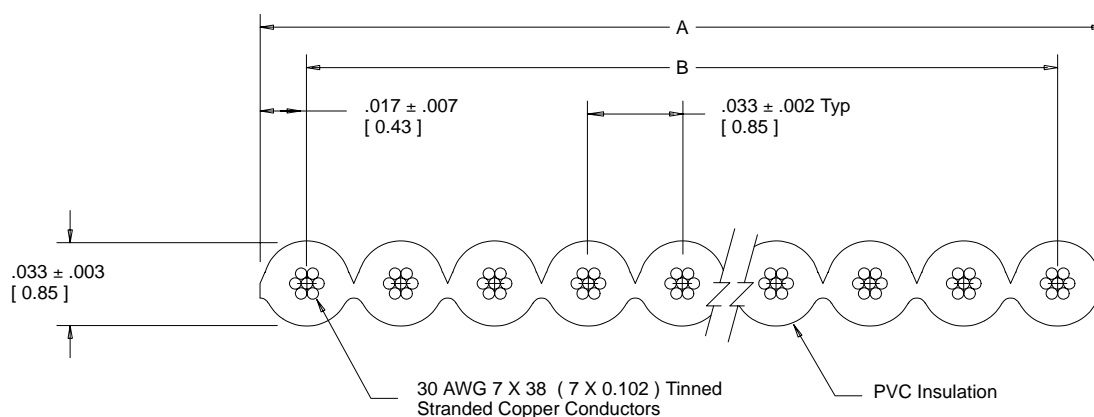
800-225-5373

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Number of Conductors	3M Part Number	Dimension A	Dimension B
96	3849/96	3.197 ± .020 [81.20]	3.164 ± .015 [80.37]



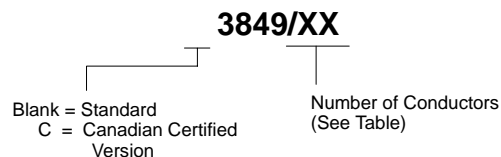
Note: Red marking on one edge of cable designates wire #1.

Inch
[mm]

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

[] Dimensions for Reference only

Ordering Information



Note: Standard length is 100 ft/roll.

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Sheet 2 of 2

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