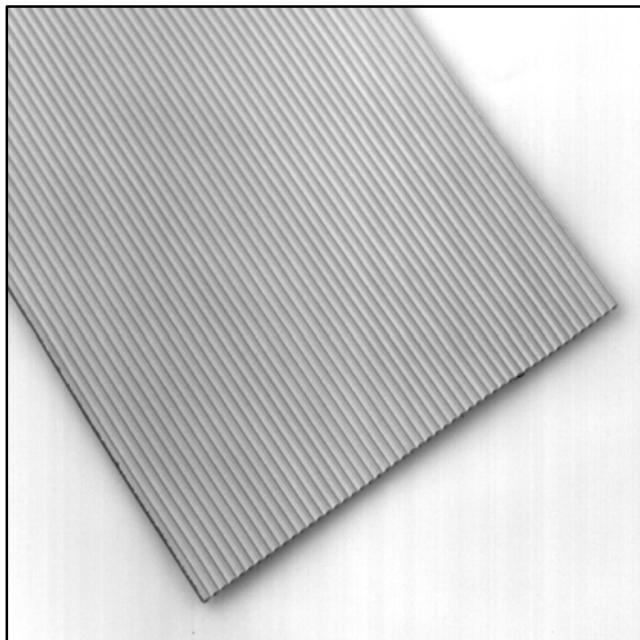


3M™ Round Conductor Flat Cable

.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 10¹⁰ 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

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Interconnect Solutions

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

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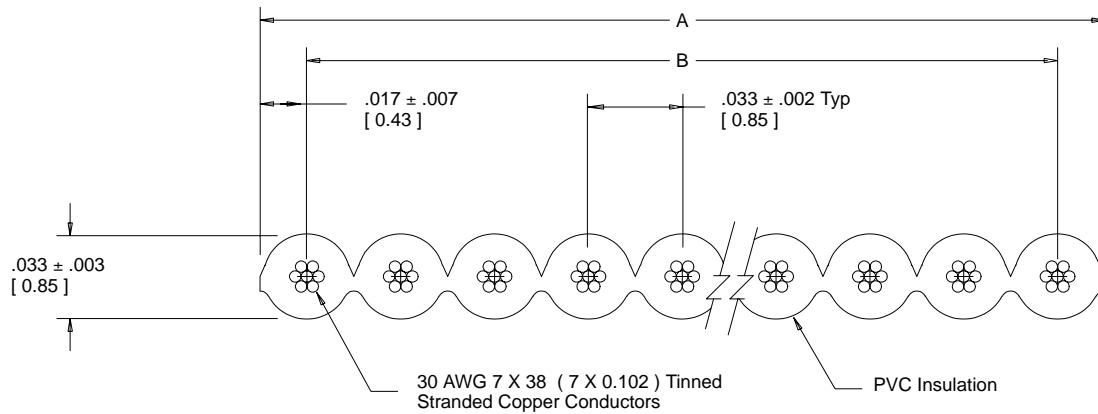
For technical, sales or ordering information call

800-225-5373

3M™ Round Conductor Flat Cable
 .033" 30 AWG Stranded, PVC

3849 Series

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



Inch
 [mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	$\pm .1$	$\pm .01$	$\pm .005$

[] Dimensions for
 Reference only

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

Ordering Information

3849/XX

Blank = Standard
 C = Canadian Certified Version

Number of Conductors
 (See Table)

Note: Standard length is 100 ft/roll.

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 Sheet 2 of 2

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