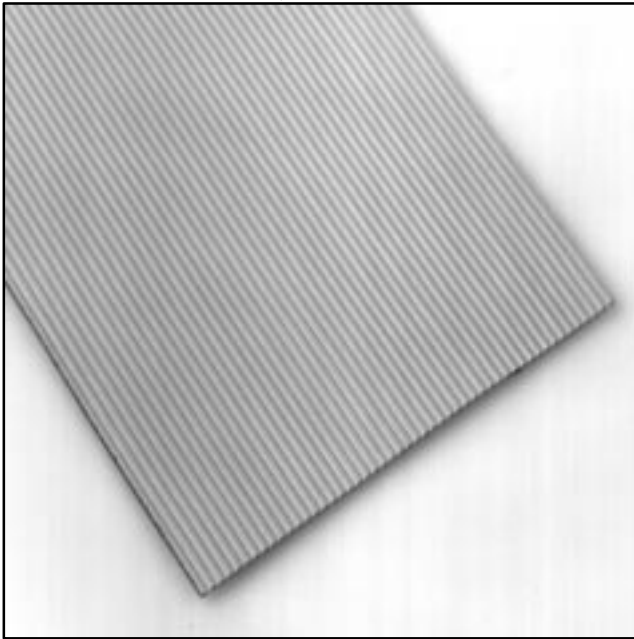


.033" Round Conductor Flat Cable

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

Date Modified: February 19, 1999

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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] | | |
| Characteristic Impedance: | Unbalanced 89 Ω | Balanced 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

UL File No.: E42769, Style No.: 2651

3M Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000

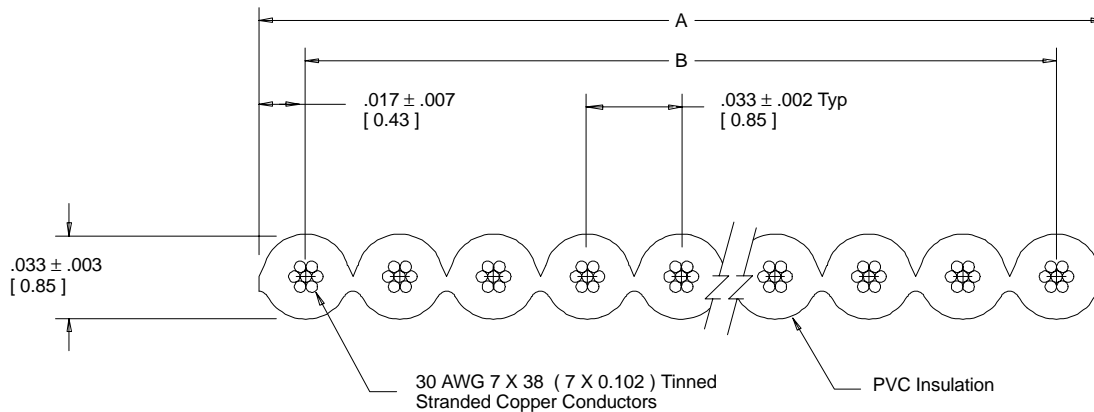
For technical, sales or ordering information call
800-225-5373

.033" Round Conductor Flat Cable

30 AWG Stranded, PVC

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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] |



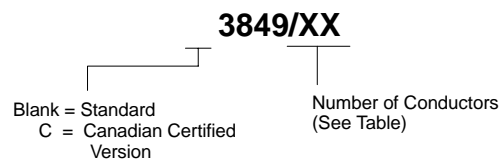
Inch
[mm]

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

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

[] 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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