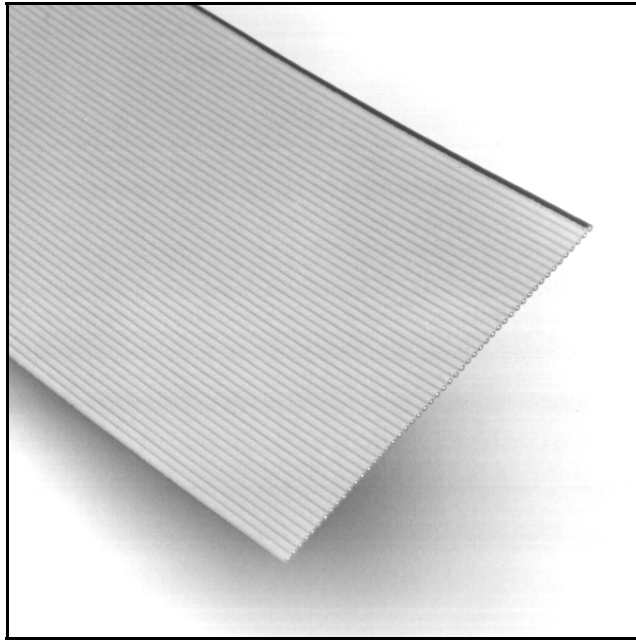


3M™ Round Conductor Flat Cable

.050" 26 AWG Solid, PVC

3306 Series



- 26 AWG wire allows for higher power levels
- Solid wire results in lower cost
- .050 inch centers permit mass termination to a broad line of IDC connectors
- Zippable for branching or discrete termination
- RoHS* Compliant

Date Modified: January 12, 2005

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Sheet 1 of 2

Physical

Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking:

Standard: None

Canadian Option: **AWM 2651 105C 300V VW1** 3M NU

C AWM IA 105C 300V FT1

EU <50V

Conductors: 26 AWG [0.404] Bare Solid Copper

Electrical

Voltage Rating: USA: 300V

Canada: 300V

EU: <50V

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

Unbalanced

Balanced

Characteristic Impedance: 103 Ω

171 Ω

Capacitance: 13.6 pF/ft (44.62 pF/m)

7.9 pF/ft (25.91 pF/m)

Inductance: 15 $\mu\text{H/ft}$ (0.49 $\mu\text{H/m}$)

.23 $\mu\text{H/ft}$ (0.75 $\mu\text{H/m}$)

Propagation Delay: 1.40 ns/ft (4.59 ns/m)

1.35 ns/ft (4.43 ns/m)

Velocity of Propagation: 73%

75%

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

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



Interconnect Solutions

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

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For technical, sales or ordering information call

800-225-5373

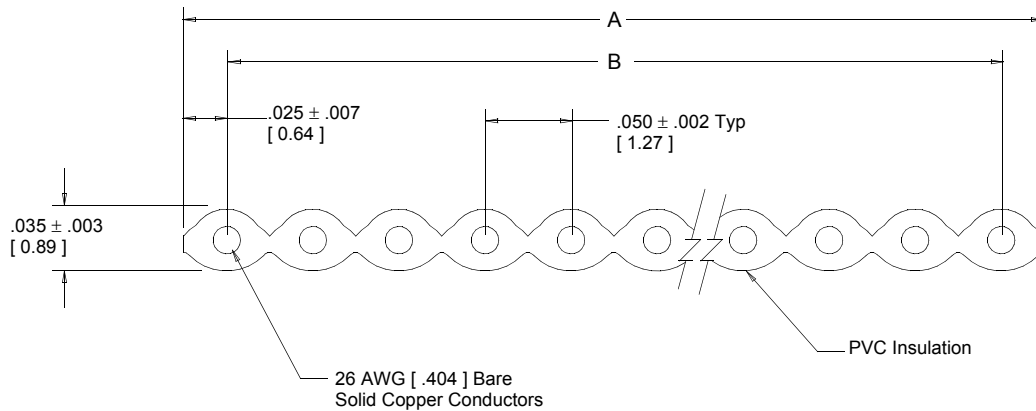
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| Number of Conductors | 3M Part Number | Dimension A | Dimension B |
|----------------------|----------------|------------------------|------------------------|
| 10 | 3306/10 | 0.500 ± .010 [12.70] | 0.450 ± .007 [11.43] |
| 14 | 3306/14 | 0.700 ± .010 [17.78] | 0.650 ± .007 [16.51] |
| 16 | 3306/16 | 0.800 ± .015 [20.32] | 0.750 ± .011 [19.05] |
| 20 | 3306/20 | 1.000 ± .015 [25.40] | 0.950 ± .011 [24.13] |
| 24 | 3306/24 | 1.200 ± .015 [30.48] | 1.150 ± .011 [29.21] |
| 26 | 3306/26 | 1.300 ± .015 [33.02] | 1.250 ± .011 [31.75] |
| 34 | 3306/34 | 1.700 ± .020 [43.18] | 1.650 ± .015 [41.91] |
| 40 | 3306/40 | 2.000 ± .020 [50.80] | 1.950 ± .015 [49.53] |
| 50 | 3306/50 | 2.500 ± .020 [63.50] | 2.450 ± .015 [62.23] |
| 60 | 3306/60 | 3.000 ± .020 [76.20] | 2.950 ± .015 [74.93] |



Inch
[mm]

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

[] Dimensions for Reference Only

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

Ordering Information

3306/XX

Blank = Standard _____
 C = Canadian Certified Version _____

Number of Conductors
(See Table)

Note: Available in standard lengths of 100 feet or 300 feet per roll, please specify when ordering.

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Sheet 2 of 2

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