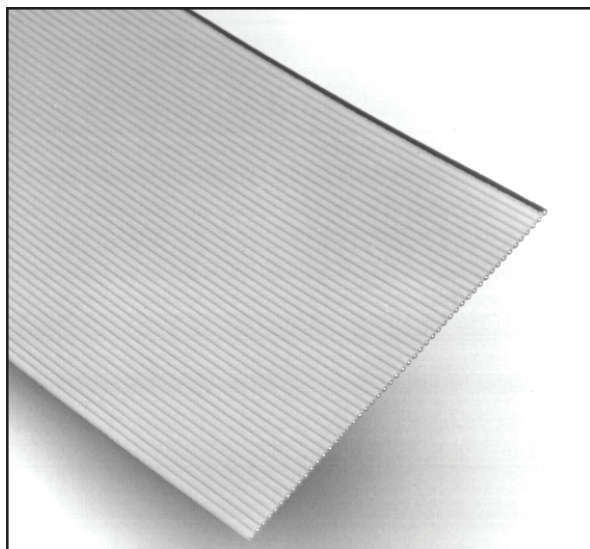


# 3M™ Round Conductor Flat Cable

.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
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of [www.3mconnectors.com](http://www.3mconnectors.com) for compliance information

Date Modified: February 24, 2012

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## 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 [ Ø 0.404 ] Bare Solid Copper

## Electrical

**Voltage Rating:** USA: 300V

Canada: 300V

EU: <50V

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

**Characteristic Impedance:** Unbalanced  
103  $\Omega$

Balanced  
171  $\Omega$

**Capacitance:** 13.6 pF/ft [ 44.62 pF/m ] 7.9 pF/ft [ 25.91 pF/m ]

**Inductance:** 0.14  $\mu\text{H/ft}$  [ 0.47  $\mu\text{H/m}$  ] 0.23  $\mu\text{H/ft}$  [ 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



Interconnect Solutions

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

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For technical, sales or ordering information call

800-225-5373

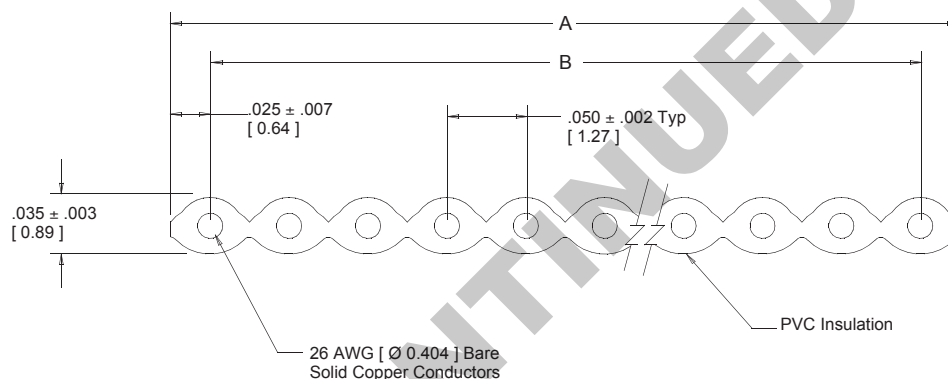
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3306 Series



| 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 ] |
| 20a                  | 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<br>[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 XX

Blank = Standard  
C = Canadian Certified Version

Blank = Standard  
SF = Splice Free

Number of Conductors  
(See Table)

Note: Available in standard 100 ft or 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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DISCONTINUED

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