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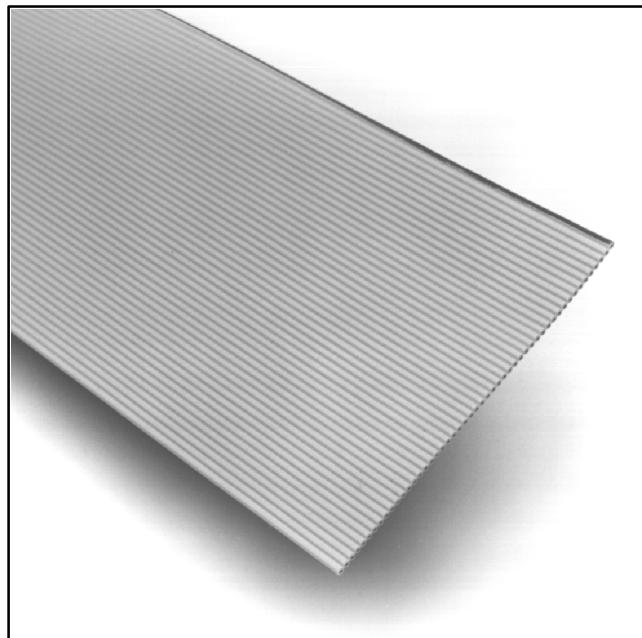
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Jameco Part Number 1577531

# 3M™ Round Conductor Flat Cable

.050" 26 AWG Stranded, PVC

3801 Series



- 26 AWG wire allows for higher power levels
- Stranded wire provides flexibility and extended product life
- .050 inch centers permit mass termination to a broad line of IDC connectors
- Zippable for branching or discrete termination
- Available in Gray and Black
- RoHS compliant

Date Modified: March 29, 2004

TS-0063-16  
Sheet 1 of 2

## Physical

### Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray Standard, Black (See ordering information.)

Marking: None

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

**Conductors:** 26 AWG 7 × 34 [ 7 × 0.160 ] Tinned Stranded Copper

## Electrical

**Voltage Rating:** USA: 300V Canada: 300V EU: <50V

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

**Characteristic Impedance:** Unbalanced: 89  $\Omega$

**Capacitance:** Unbalanced: 16.2 pF/ft. [ 53.1 pF/m ]

**Inductance:** Unbalanced: .13  $\mu\text{H}/\text{ft.}$  [ 0.43  $\mu\text{H}/\text{m}$  ]

**Propagation Delay:** Unbalanced: 1.44 ns/ft. [ 4.72 ns/m ]

**Velocity of Propagation:** Unbalanced: 71%

Note: Unbalanced is measured between ground-signal-ground conductors.

## 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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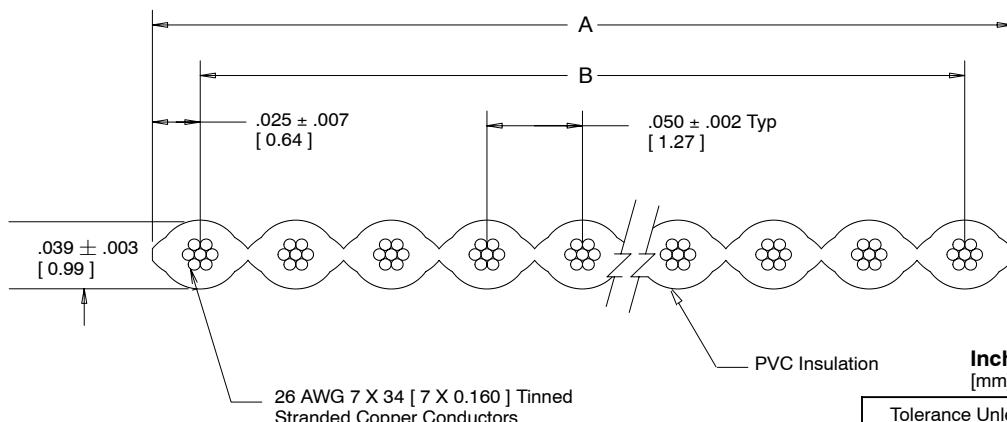
**800-225-5373**

3M™ Round Conductor Flat Cable  
.050" 26 AWG Stranded, PVC

3801 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	<b>3801/09</b>	0.450 $\pm$ .010 [ 11.43 ]	0.400 $\pm$ .007 [ 10.16 ]
10	<b>3801/10</b>	0.500 $\pm$ .010 [ 12.70 ]	0.450 $\pm$ .007 [ 11.43 ]
14	<b>3801/14</b>	0.700 $\pm$ .010 [ 17.78 ]	0.650 $\pm$ .007 [ 16.51 ]
15	<b>3801/15</b>	0.750 $\pm$ .010 [ 19.05 ]	0.700 $\pm$ .007 [ 17.78 ]
16	<b>3801/16</b>	0.800 $\pm$ .015 [ 20.32 ]	0.750 $\pm$ .011 [ 19.05 ]
18	<b>3801/18</b>	0.900 $\pm$ .015 [ 22.86 ]	0.850 $\pm$ .011 [ 21.59 ]
20	<b>3801/20</b>	1.000 $\pm$ .015 [ 25.40 ]	0.950 $\pm$ .011 [ 24.13 ]
24	<b>3801/24</b>	1.200 $\pm$ .015 [ 30.48 ]	1.150 $\pm$ .011 [ 29.21 ]
25	<b>3801/25</b>	1.250 $\pm$ .015 [ 31.75 ]	1.200 $\pm$ .011 [ 30.48 ]
26	<b>3801/26</b>	1.300 $\pm$ .015 [ 33.02 ]	1.250 $\pm$ .011 [ 31.75 ]
30	<b>3801/30</b>	1.500 $\pm$ .020 [ 38.10 ]	1.450 $\pm$ .015 [ 36.83 ]
34	<b>3801/34</b>	1.700 $\pm$ .020 [ 43.18 ]	1.650 $\pm$ .015 [ 41.91 ]
36	<b>3801/36</b>	1.800 $\pm$ .020 [ 45.72 ]	1.750 $\pm$ .015 [ 44.45 ]
37	<b>3801/37</b>	1.850 $\pm$ .020 [ 46.99 ]	1.800 $\pm$ .015 [ 45.72 ]
40	<b>3801/40</b>	2.000 $\pm$ .020 [ 50.80 ]	1.950 $\pm$ .015 [ 49.53 ]
44	<b>3801/44</b>	2.200 $\pm$ .020 [ 55.88 ]	2.150 $\pm$ .015 [ 54.61 ]
50	<b>3801/50</b>	2.500 $\pm$ .020 [ 63.50 ]	2.450 $\pm$ .015 [ 62.23 ]
60	<b>3801/60</b>	3.000 $\pm$ .020 [ 76.20 ]	2.950 $\pm$ .015 [ 74.93 ]
64	<b>3801/64</b>	3.200 $\pm$ .020 [ 81.28 ]	3.150 $\pm$ .015 [ 80.07 ]

  (OPTIONAL)



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

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

[ ] Dimensions for  
Reference only

**Ordering Information**

**3801X/XX**

Blank = Standard  
C = Canadian Certified  
Version

Number of Conductors  
(See Table)

Color Options  
Blank = Gray (Standard Product)  
A = Black (Special Product)

TS-0063-16  
Sheet 2 of 2

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