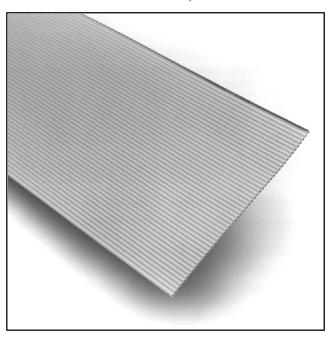
# 3M™ Round Conductor Flat Cable

.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

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# **Physical**

Insulation

Material: Polyvinyl Chloride (PVC)

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

Marking: None

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

EU <50V

**Conductors:** 26 AWG  $7 \times 34$  [  $7 \times 0.160$  ] Tinned Stranded Copper

## **Electrical**

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

Insulation Resistance: >  $1 \times 10^{10} \Omega/10$  ft. [ 3m ] Characteristic Impedance: Unbalanced: 89  $\Omega$ 

Capacitance:Unbalanced:16.2 pF/ft. [ 53.1 pF/m ]Inductance:Unbalanced:.13 μH/ft. [ 0.43 μH/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

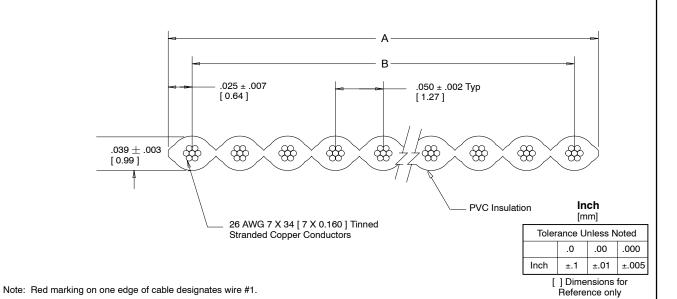
Flammability Rating: USA: VW-1 Canada: FT1

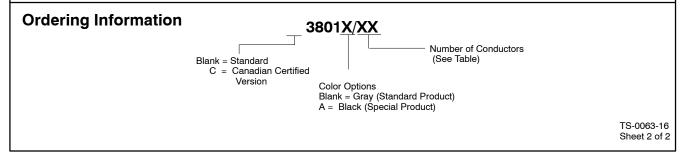
\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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

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







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