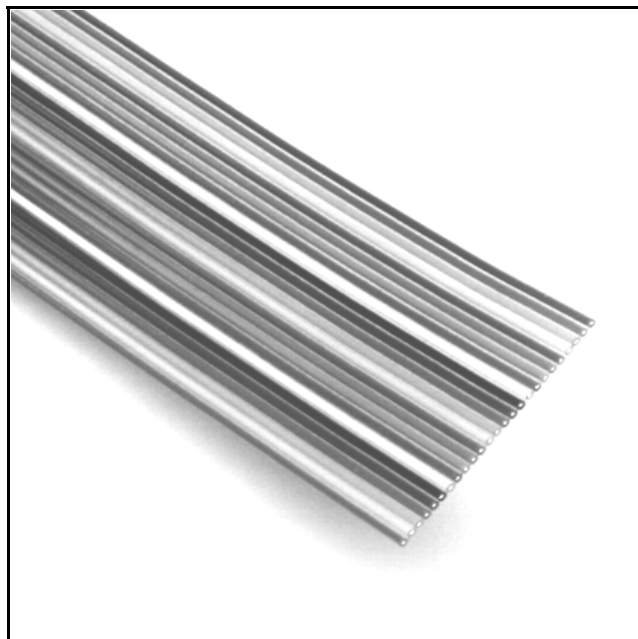


# 3M™ Color Coded Flat Cable

.050" 26 AWG Stranded, PVC

3811 Series



- .050 inch centers permit mass termination to a broad line of IDC connectors
- 26 AWG wire allows for higher power levels
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- Color coded for wire identification
- RoHS\* Compliant

Date Modified: January 19, 2005

TS-0122-010  
Sheet 1 of 2

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## Physical



### Insulation

Material: Polyvinyl Chloride (PVC)

Color: 10 Color Repeat, Clear Carrier

### Marking:

Standard: None

Canadian Option:  AWM 20462 105C 300V VW1 3M NU  
 AWM IA 80C 150V FT1  
EU <50V

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

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## Electrical

Voltage Rating: USA: 300V

Canada: 150V

EU: <50V

Insulation Resistance:  $>1 \times 10^9 \Omega / 10\text{ft} [3\text{m}]$

### Unbalanced

Characteristic Impedance: Unbalanced: 95  $\Omega$

Capacitance: Unbalanced: 14.8 pF/ft. [ 48.6 pF/m ]

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

Propagation Delay: Unbalanced: 1.41 ns/ft. [ 4.63 ns/m ]

Velocity of Propagation: 72%

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

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## Environmental

Temperature Rating: -20°C to +105°C

Canada: -20°C to +80°C

Flammability Rating: USA: VW-1

Canada: FT1

UL File No.: E42769, Style No.: 20462

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



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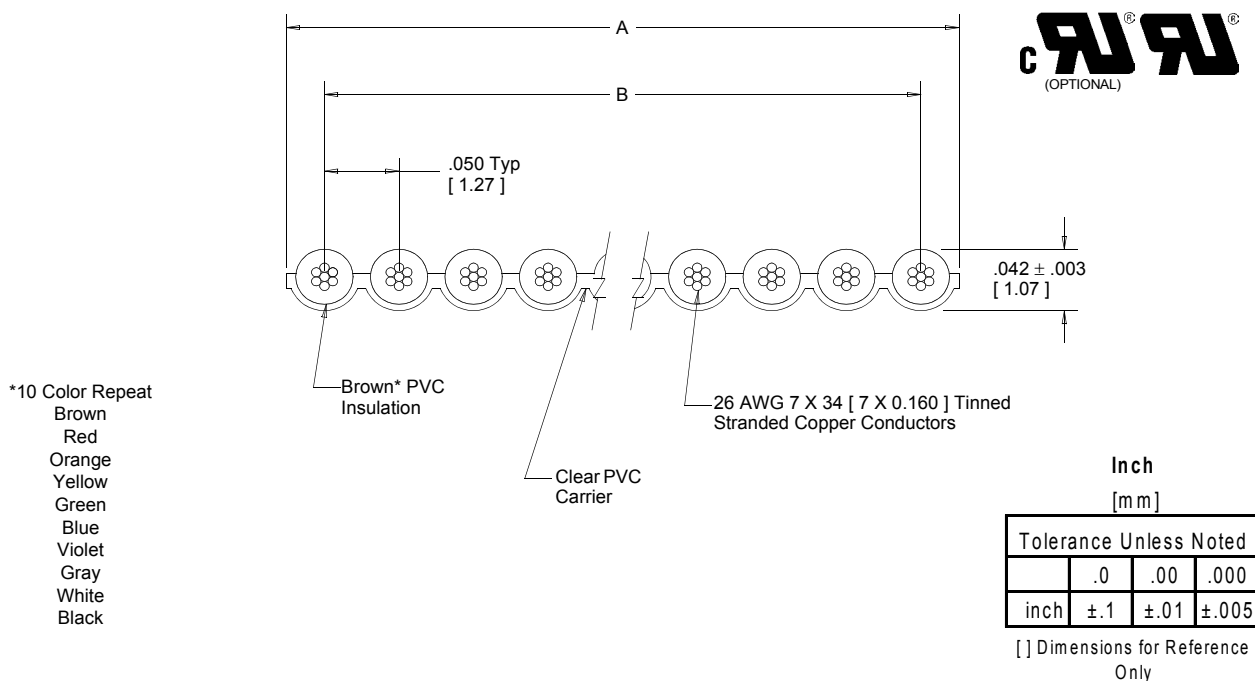
800-225-5373

# 3M™ Color Coded Flat Cable

.050" 26 AWG Stranded, PVC

3811 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	<b>3811/09</b>	0.450 ± .015 [ 11.43 ]	0.400 ± .010 [ 10.16 ]
10	<b>3811/10</b>	0.500 ± .015 [ 12.70 ]	0.450 ± .010 [ 11.43 ]
14	<b>3811/14</b>	0.700 ± .015 [ 17.78 ]	0.650 ± .010 [ 16.51 ]
15	<b>3811/15</b>	0.750 ± .015 [ 19.05 ]	0.700 ± .010 [ 17.78 ]
16	<b>3811/16</b>	0.800 ± .020 [ 20.32 ]	0.750 ± .015 [ 19.05 ]
18	<b>3811/18</b>	0.900 ± .020 [ 22.86 ]	0.850 ± .015 [ 21.59 ]
20	<b>3811/20</b>	1.000 ± .020 [ 25.40 ]	0.950 ± .015 [ 24.13 ]
24	<b>3811/24</b>	1.200 ± .020 [ 30.48 ]	1.150 ± .015 [ 29.21 ]
25	<b>3811/25</b>	1.250 ± .020 [ 31.75 ]	1.200 ± .015 [ 30.48 ]
26	<b>3811/26</b>	1.300 ± .020 [ 33.02 ]	1.250 ± .015 [ 31.75 ]
30	<b>3811/30</b>	1.500 ± .025 [ 38.10 ]	1.450 ± .020 [ 36.83 ]
34	<b>3811/34</b>	1.700 ± .025 [ 43.18 ]	1.650 ± .020 [ 41.91 ]
36	<b>3811/36</b>	1.800 ± .025 [ 45.72 ]	1.750 ± .020 [ 44.45 ]
37	<b>3811/37</b>	1.850 ± .025 [ 46.99 ]	1.800 ± .020 [ 45.72 ]
40	<b>3811/40</b>	2.000 ± .025 [ 50.80 ]	1.950 ± .020 [ 49.53 ]
50	<b>3811/50</b>	2.500 ± .025 [ 63.50 ]	2.450 ± .020 [ 62.23 ]
60	<b>3811/60</b>	3.000 ± .025 [ 76.20 ]	2.950 ± .020 [ 74.93 ]
64	<b>3811/64</b>	3.200 ± .025 [ 81.28 ]	3.150 ± .020 [ 80.01 ]



## Ordering Information

**3811/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

## Important Notice

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