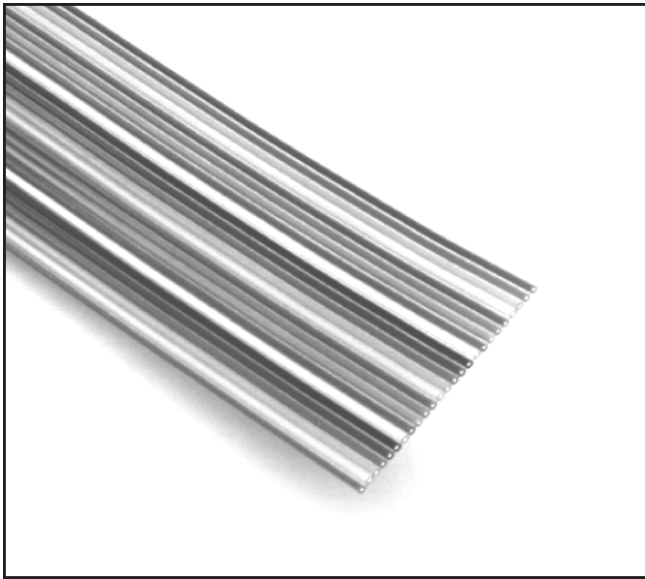


# 3M™ Color Coded Flat Cable

.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
- See Regulatory Information Appendix (RIA for chemical compliance information (RIA E1 & C1 apply))

Date Modified: May 14, 2009

TS-0122-B  
Sheet 1 of 2

## Physical

### Insulation:

Material: Polyvinyl Chloride (PVC)

Color: 10 Color Repeat, Clear Carrier

**Marking Standard:** None

Canadian Option:  AWM 20462 105C 300V VW1 3M NU

C  AWM IA 80C 150V FT1

EU <50V

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

## Electrical

**Voltage Rating:** USA: 300V    Canada: 150V    EU: <50V

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

**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.

## Environmental

**Temperature Rating:** USA: -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

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\* 10 Color Repeat

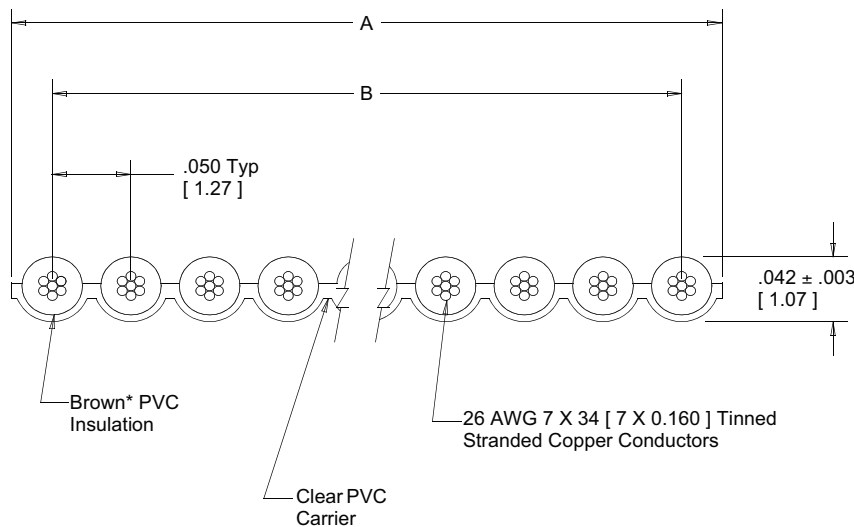
- Brown
- Red
- Orange
- Yellow
- Green
- Blue
- Violet
- Gray
- White
- Black

Inch  
[mm]

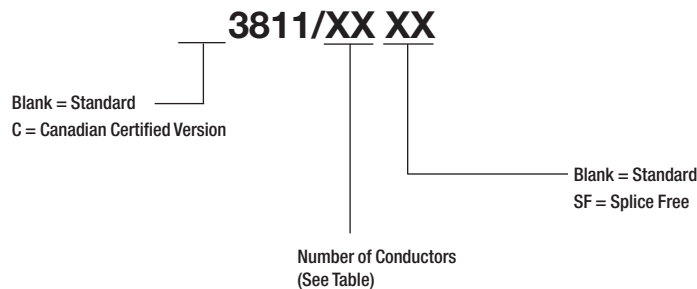
Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

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



## Ordering Information



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

TS-0122-B  
Sheet 2 of 2