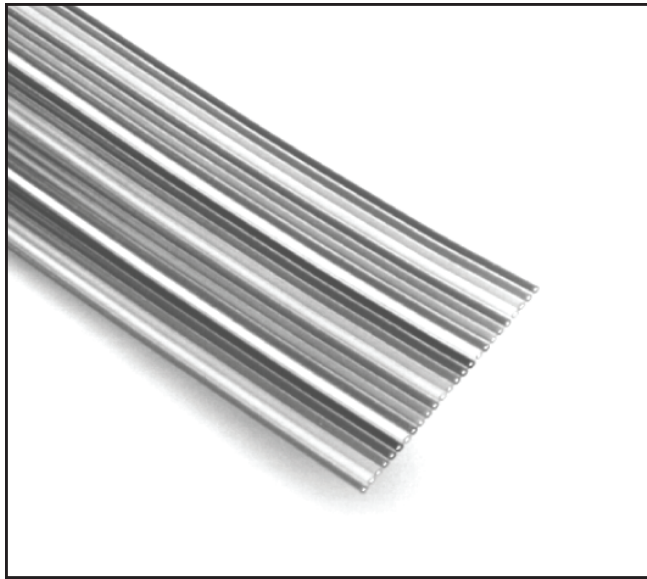


3M™ Color Coded Flat Cable

.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

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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 Ω

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

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

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

3M™ Color Coded Flat Cable

.050" 26 AWG Stranded, PVC

3811 Series



* 10 Color Repeat

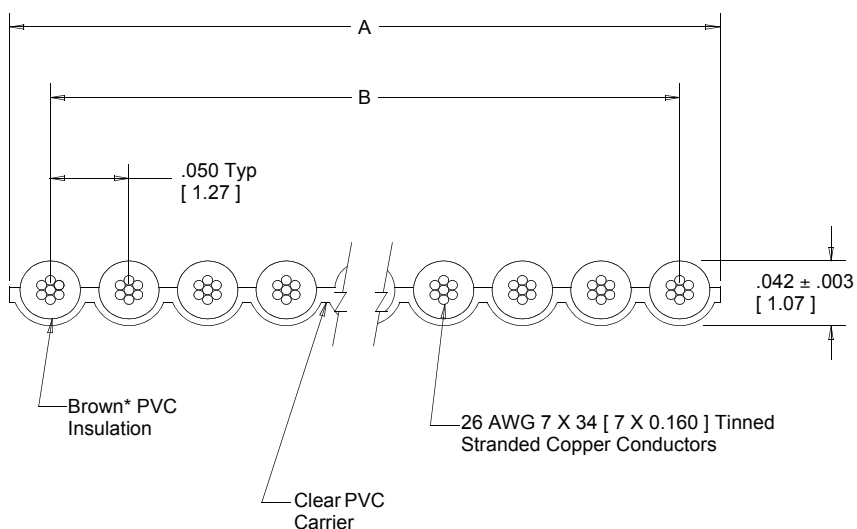
Brown
Red
Orange
Yellow
Green
Blue
Violet
Gray
White
Black

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

3811/XX XX

Blank = Standard
C = Canadian Certified Version

Blank = Standard
SF = Splice Free

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

Appendix C3: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part does not contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

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