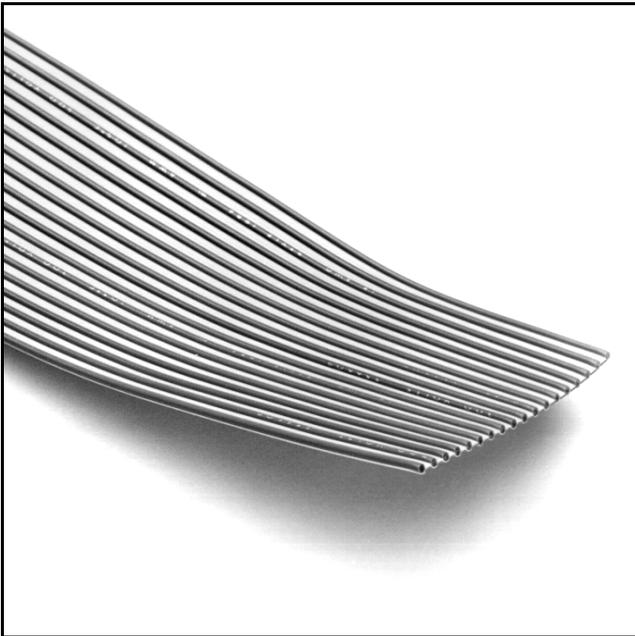


3M™ Round Conductor Flat Cable

.156" 18 AWG Stranded, PVC

8132 Series



- Designed for power applications requiring higher current carrying capability
- 18 AWG tinned stranded copper wire provides flexibility and extended product life
- Individually insulated conductors are laminated to a PVC backing which can be zipped apart for branching or discrete terminations
- RoHS* compliant

Date Modified: April 13, 2007

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Physical

Insulation Material: Polyvinyl Chloride (PVC)

Color: Dark Gray Wires

Marking Standard: None

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

Conductors: 18 AWG, 19 x 30 AWG [19 x Ø 0.254] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 300V

Canada: 150V

EU: <50V

Insulation Resistance: >1 x 10¹⁰Ω/10ft [3m]

Characteristic Impedance: Unbalanced: 127 Ω

Capacitance: Unbalanced: 9.6 pF/ft. [31.5 pF/m]

Inductance: Unbalanced: 0.15 μH/ft. [0.49 μH/m]

Propagation Delay: Unbalanced: 1.22 ns/ft. [4.00 ns/m]

Velocity of Propagation: 83%

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

Environmental

Temperature Rating: USA: -20°C to +80°C

Canada: -20°C to +80°C

Flammability Rating: USA: VW-1

Canada: FT1

**RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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 Warranty stated below.

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

3M™ Round Conductor Flat Cable

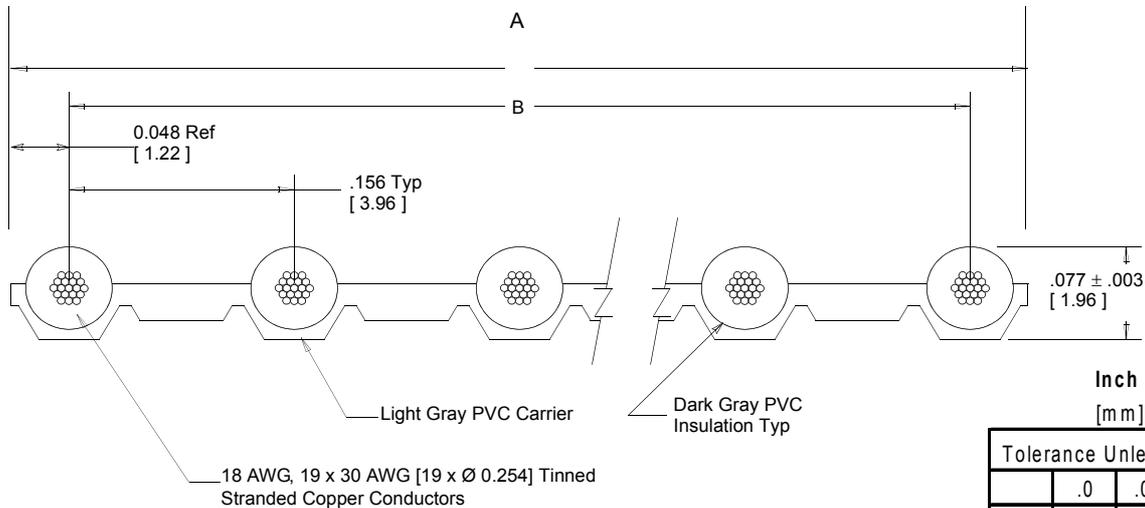
.156" 18 AWG Stranded, PVC

8132Series



Number of Conductors	3M Part Number	Dimension A		Dimension B	
4	8132/04	0.564 ± .015	[14.33]	0.468 ± .010	[11.89]
5	8132/05	0.720 ± .015	[18.29]	0.624 ± .010	[15.85]
6	8132/06	0.876 ± .015	[22.25]	0.780 ± .010	[19.81]
7	8132/07	1.032 ± .015	[26.21]	0.936 ± .010	[23.77]
8	8132/08	1.188 ± .015	[30.18]	1.092 ± .010	[27.74]
9	8132/09	1.344 ± .020	[34.14]	1.248 ± .015	[31.70]
10	8132/10	1.500 ± .020	[38.10]	1.404 ± .015	[35.66]
11	8132/11	1.656 ± .020	[42.06]	1.560 ± .015	[39.62]
12	8132/12	1.812 ± .020	[46.02]	1.716 ± .015	[43.59]
13	8132/13	1.968 ± .020	[49.99]	1.872 ± .015	[47.55]
14	8132/14	2.124 ± .020	[53.95]	2.028 ± .015	[51.51]
15	8132/15	2.280 ± .025	[57.91]	2.184 ± .020	[55.47]
16	8132/16	2.436 ± .025	[61.87]	2.340 ± .020	[59.44]
17	8132/17	2.592 ± .025	[65.84]	2.496 ± .020	[63.40]
18	8132/18	2.748 ± .025	[69.80]	2.652 ± .020	[67.36]
19	8132/19	2.904 ± .025	[73.76]	2.808 ± .020	[71.32]
20	8132/20	3.060 ± .025	[77.72]	2.964 ± .020	[75.29]
21	8132/21	3.216 ± .025	[81.69]	3.120 ± .020	[79.25]
22	8132/22	3.372 ± .025	[85.65]	3.276 ± .020	[83.21]
23	8132/23	3.528 ± .025	[89.61]	3.432 ± .020	[87.17]
24	8132/24	3.684 ± .025	[93.57]	3.588 ± .020	[91.14]

Note: Contact 3M for availability of additional conductor counts.



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

[] Dimensions for Reference Only

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

Ordering Information

8132 / XX 100 XX

Blank = Standard
C = Canadian Certified Version

Blank = Standard
SF = Splice Free

Length of Roll in Feet
100 = 100 ft Standard

Number of Conductors
(See Table)

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Sheet 2 of 2

Note: Contact 3M for availability of custom roll lengths.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



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Minimum 10%
Post-Consumer Fiber

Printed in USA.

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