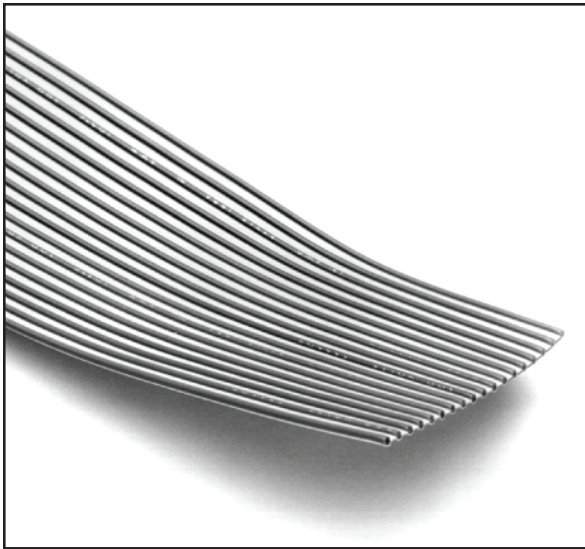


3M™ Round Conductor Flat Cable

.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
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3M.com/Interconnects for compliance information (RIA E1 & C1 apply)

Date Modified: September 1, 2009

TS-0057-C
Sheet 1 of 2

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 × 30 AWG [19 × Ø 0.254] Tinned Stranded Copper

Electrical

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

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

Characteristic Impedance: Unbalanced: 127

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

Inductance: Unbalanced: 0.15 $\mu\text{H}/\text{ft}$ [0.49 $\mu\text{H}/\text{m}$]

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

Velocity of Propagation: Unbalanced: 83%

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

Environmental

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

Flammability Rating: USA: VW-1 Canada: FT1

UL File No.: E42769, Style No: 20462

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Round Conductor Flat Cable

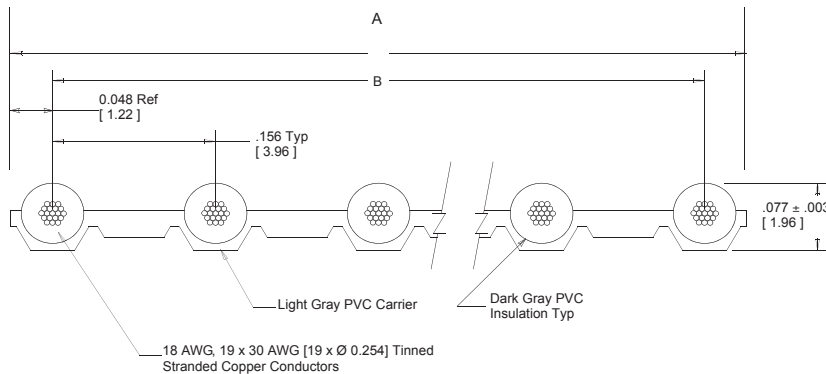
.156" 18 AWG Stranded, PVC

8132 Series



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.



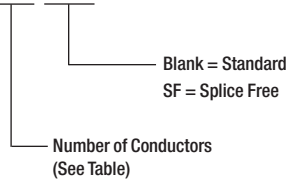
Tolerance Unless Noted			
	Inch [mm]		
	.0	.00	.000
Inch	±.1	±.01	±.005

[] Dimensions for Reference Only

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

Ordering Information

8132 / XX XX



Note: Available in standard 100 ft or 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

TS-0057-C
Sheet 2 of 2

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

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.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3m.com/interconnects

Please recycle. Printed in USA.
© 3M 2008. All rights reserved.
RIA-2217B-E

3M is a trademark of 3M Company.