



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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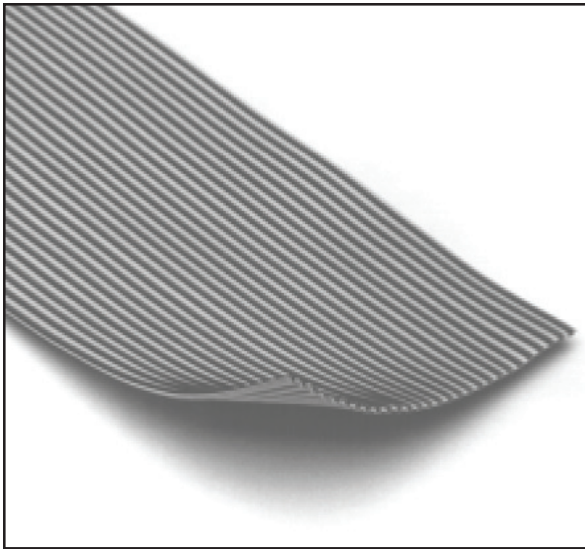
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.100" 24 AWG Stranded, PVC

8125 Series



- Designed for power applications requiring higher current carrying capability
- 24 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. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnectors.com for compliance information (RIA E1 and C1 apply).

Date Modified: September 26, 2013

TS-0259-C
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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: 24 AWG 7 × 32 [7 × 0.203] 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: 136 Ω

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

Inductance: Unbalanced: 0.18 $\mu\text{H}/\text{ft}$ [0.59 $\mu\text{H}/\text{m}$]

Propagation Delay: Unbalanced: 1.30 ns/ft [4.27 ns/m]

Velocity of Propagation: Unbalanced: 78%

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

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

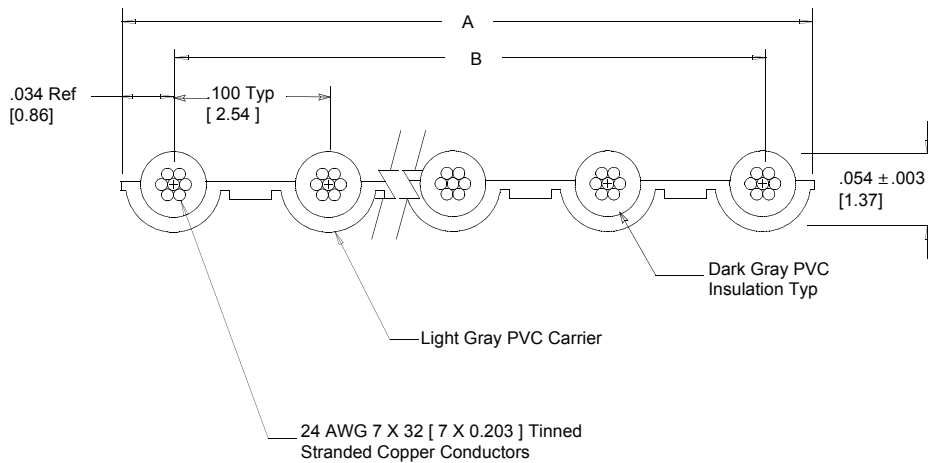
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Number of Conductors	3M Part Number	Dimension A	Dimension B
06	8125/06	0.568 ± .010 [14.43]	0.500 ± .007 [12.70]
08	8125/08	0.768 ± .010 [19.51]	0.700 ± .007 [17.78]
10	8125/10	0.968 ± .010 [24.59]	0.900 ± .007 [22.86]
12	8125/12	1.168 ± .015 [29.67]	1.100 ± .011 [27.94]
13	8125/13	1.268 ± .015 [32.21]	1.300 ± .011 [33.02]
14	8125/14	1.368 ± .015 [34.65]	1.300 ± .011 [33.02]
15	8125/15	1.468 ± .015 [37.29]	1.400 ± .011 [35.56]
17	8125/17	1.668 ± .015 [42.37]	1.600 ± .011 [40.64]
20	8125/20	1.968 ± .015 [49.99]	1.900 ± .011 [48.26]



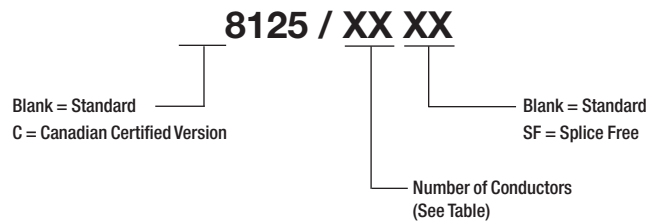
Inch
[mm]

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

[] Dimensions for Reference Only

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

Ordering Information



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

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