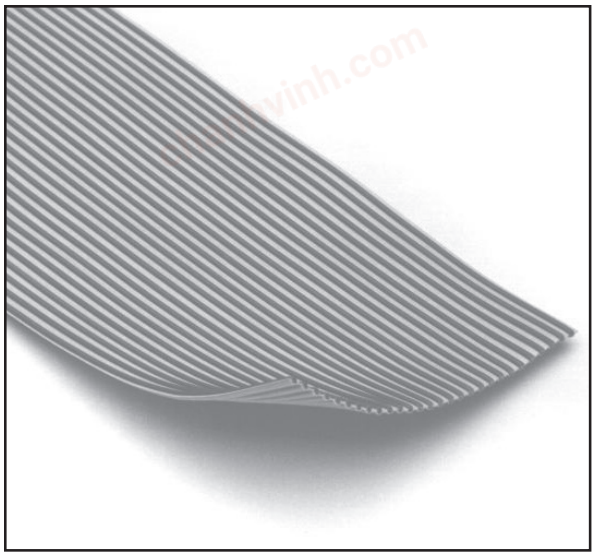
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3M™ Round Conductor Flat Cable

.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: August 29, 2018

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:	> 1×10^{10} Ω/10 ft. [3 m]		
Characteristic Impedance:	Unbalanced: 136 Ω		
Capacitance:	Unbalanced: 9.6 pF/ft [31.5 pF/m]		
Inductance:	Unbalanced: 0.18 µH/ft [0.59 µH/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

3M
Electronics Materials Solutions Division
Interconnect Solutions
http://www.3M.com/interconnect

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For technical, sales or ordering information call
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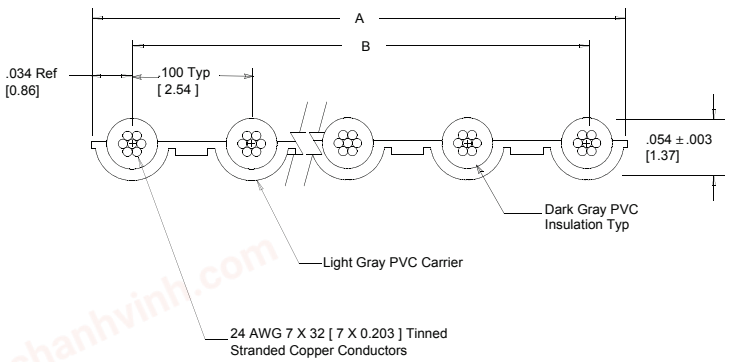
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c (OPTIONAL)

Number of Conductors	3M Part Number	Dimension A	Dimension B
04	8125/04	0.368 ± .010 [9.35]	0.300 ± .007 [7.62]
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

8125 / XX XX

- First XX: Blank = Standard; C = Canadian Certified Version
- Second XX: Number of Conductors (See Table)
- Last XX: Blank = Standard; SF = Splice Free

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

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