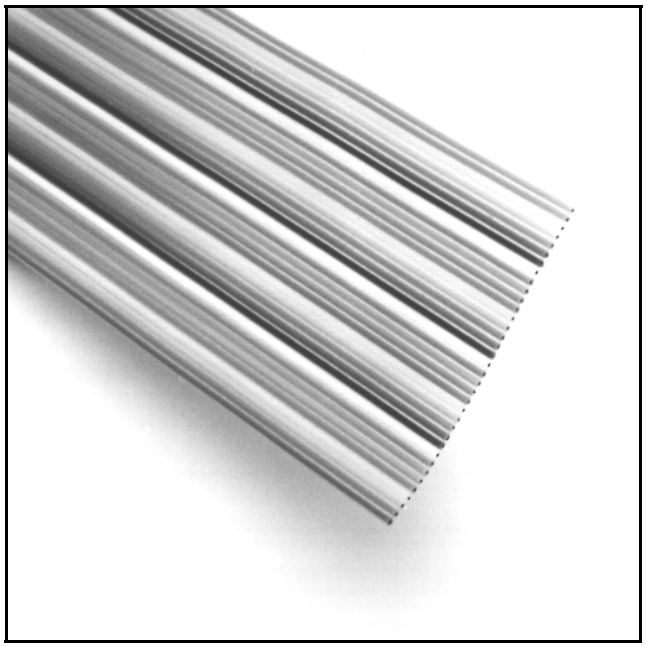
3M™ Color Coded Flat Cable

.050″ 28 AWG Stranded, PVC 3302 Series



- 28 AWG wire on .050 inch centers permits mass termination to a broad line of IDC connectors
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- Color coded for wire identification
- RoHS* Compliant

Date Modified: January 17, 2005

TS-0123-12
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: 28 AWG 7 × 36 [7 × 0.127] Tinned Stranded Copper

Electrical

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

Insulation Resistance: >1 x $10^9\Omega$ /10ft [3m]

Unbalanced

Characteristic Impedance: Unbalanced: 105 Ω

Capacitance: Unbalanced: 14.1 pF/ft. [46.3 pF/m]

Inductance: Unbalanced: .15 µH/ft. [0.49 µH/m]

Propagation Delay: Unbalanced: 1.47 ns/ft. [4.82 ns/m]

Velocity of Propagation: 69%

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

RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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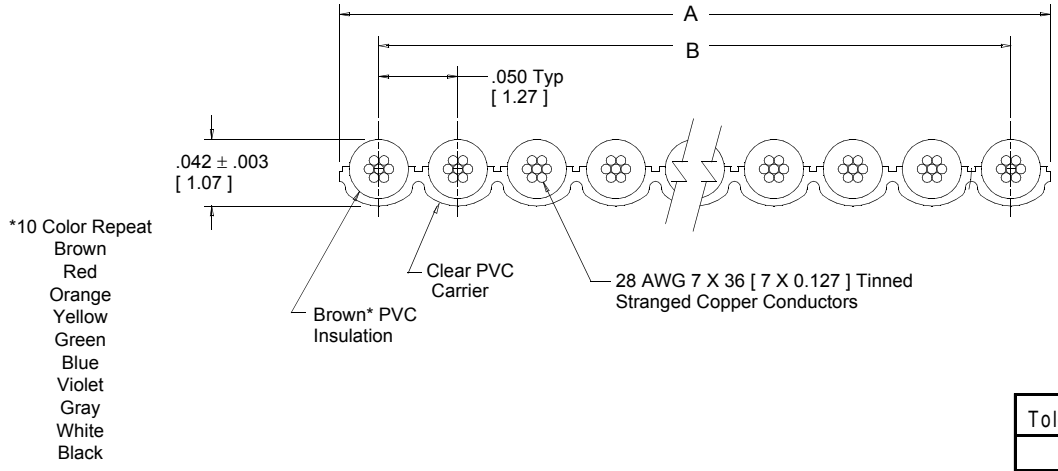
For technical, sales or ordering information call
800-225-5373

3M™ Color Coded Flat Cable

.050″ 28 AWG Stranded, PVC — 3302 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	**3302/09**	0.450 ± .015 [11.43]	0.400 ± .010 [10.18]
10	**3302/10**	0.500 ± .015 [12.70]	0.450 ± .010 [11.43]
14	**3302/14**	0.700 ± .015 [17.78]	0.650 ± .010 [16.51]
15	**3302/15**	0.750 ± .015 [19.05]	0.700 ± .010 [17.78]
16	**3302/16**	0.800 ± .020 [20.32]	0.750 ± .015 [19.05]
18	**3302/18**	0.900 ± .020 [22.86]	0.850 ± .015 [21.59]
20	**3302/20**	1.000 ± .020 [25.40]	0.950 ± .015 [24.13]
24	**3302/24**	1.200 ± .020 [30.48]	1.150 ± .015 [29.21]
25	**3302/25**	1.250 ± .020 [31.75]	1.200 ± .015 [30.48]
26	**3302/26**	1.300 ± .020 [33.02]	1.250 ± .015 [31.75]
30	**3302/30**	1.500 ± .025 [38.10]	1.450 ± .020 [36.83]
34	**3302/34**	1.700 ± .025 [43.18]	1.650 ± .020 [41.91]
36	**3302/36**	1.800 ± .025 [45.72]	1.750 ± .020 [44.45]
37	**3302/37**	1.850 ± .025 [46.99]	1.800 ± .020 [45.72]
40	**3302/40**	2.000 ± .025 [50.80]	1.950 ± .020 [49.53]
50	**3302/50**	2.500 ± .025 [63.50]	2.450 ± .020 [62.23]
60	**3302/60**	3.000 ± .025 [76.20]	2.950 ± .020 [74.93]
64	**3302/64**	3.200 ± .025 [81.28]	3.150 ± .020 [80.01]

(OPTIONAL)



Inch
[mm]

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

[ ] Dimensions for Reference Only

Ordering Information

3302/XX

- Blank = Standard
  C = Canadian Certified Version
- Number of Conductors (See Table)

Note: Available in standard lengths of 100 feet or 300 feet per roll, please specify when ordering.

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

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