

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

Date Modified: May 1, 2012

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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 AWG [7 × Ø 0.127] Tinned Stranded Copper

Electrical

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

Insulation Resistance: $> 1 \times 10^9 \Omega/10 \text{ ft.}$ [3 m]

Characteristic Impedance: Unbalanced
105 Ω

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

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

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

Velocity of Propagation: 69%

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

Environmental

Temperature Rating: USA: -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 |
|----------------------|----------------|------------------------|------------------------|
| 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] |

Inch
[mm]

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

[] Dimensions for Reference Only



- * 10 Color Repeat
- Brown
 - Red
 - Orange
 - Yellow
 - Green
 - Blue
 - Violet
 - Gray
 - White
 - Black

Ordering Information



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

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RIA-2217B-E



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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