

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

TS-0123-C
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 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

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] |

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..

TS-0123-C
Sheet 2 of 2

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.3Mconnectors.com

3M is a trademark of 3M Company.

Please recycle. Printed in USA.
© 3M 2012. All rights reserved.
RIA-2217B-E

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9