



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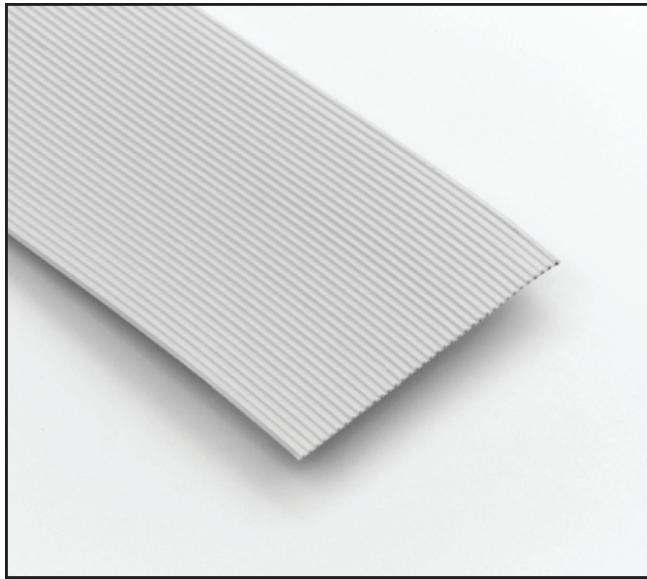
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, Halogen-Free Insulation

2010 Series



- Advantage of this halogen free insulation are low smoke (BSS 7238) and low toxicity of combustion gases (NES 713) reducing the risk to firefighters and low corrosivity of combustion gases (pH approximately 6.0) reducing damage to nearby equipment
- 28 AWG stranded conductors on .050 inch pitch permits mass terminations to a broad line of IDC connectors
- Zippable for branching or discrete termination
- Please contact your 3M sales representative for variations not described in this specification
- See Regulatory Information Appendix (RIA) for chemical compliance information (RIA E1 & C1 apply)

Date Modified: September 9, 2010

TS-0722-C
Sheet 1 of 2

Physical

Insulation:

Material: Halogen-Free Polyolefin (PO)

Color: off-white

Marking:

Standard: None

Conductors: 28 AWG, 7 × 36 AWG [7 × Ø 0.127] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 30V EU: <50V

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

Characteristic Impedance: **Unbalanced** 107 Ω **Balanced** 176 Ω

Capacitance: 14.0 pF/ft [45.93 pF/m] 8.2 pF/ft [26.95 pF/m]

Inductance: 0.16 $\mu\text{H}/\text{ft}$ [0.53 $\mu\text{H}/\text{m}$] 0.26 $\mu\text{H}/\text{ft}$ [0.84 $\mu\text{H}/\text{m}$]

Propagation Delay: 1.50 ns/ft [4.92 ns/m] 1.45 ns/ft [4.76 ns/m]

Velocity of Propagation: 68% 70%

Note: Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between signal conductors within a pair.

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: UL: Horizontal IEC 332-1, -2, & -3

UL File No.: E42769, Style No: 20930

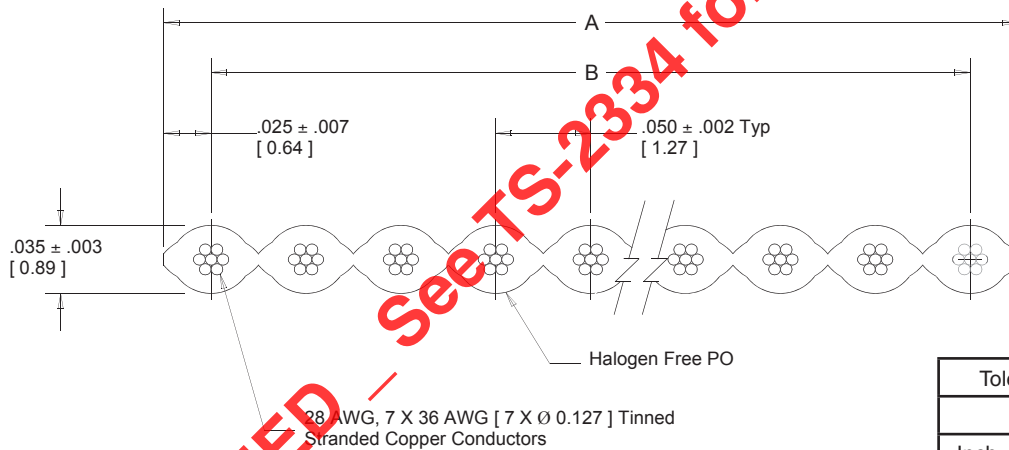
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Number of Conductors	3M Part Number	Dimension A	Dimension B
09	2010/09	.450 ± .010 [11.43]	.400 ± .007 [10.16]
10	2010/10	.500 ± .010 [12.70]	.450 ± .007 [11.43]
14	2010/14	.700 ± .010 [17.78]	.650 ± .007 [16.51]
15	2010/15	.750 ± .010 [19.05]	.700 ± .007 [17.78]
16	2010/16	.800 ± .015 [20.32]	.750 ± .011 [19.05]
18	2010/18	.900 ± .015 [22.88]	.850 ± .011 [21.59]
20	2010/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	2010/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	2010/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	2010/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	2010/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	2010/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	2010/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	2010/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	2010/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	2010/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	2010/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	2010/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]



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

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

[] Dimensions for Reference Only

Ordering Information

2010/XX XX

Number of Conductors
(See Table)

Blank = Standard
SF = Splice Free

Note:
Available in standard 100 ft and 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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DISCONTINUED — See TS-2334 for the New HF365 Series

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