



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

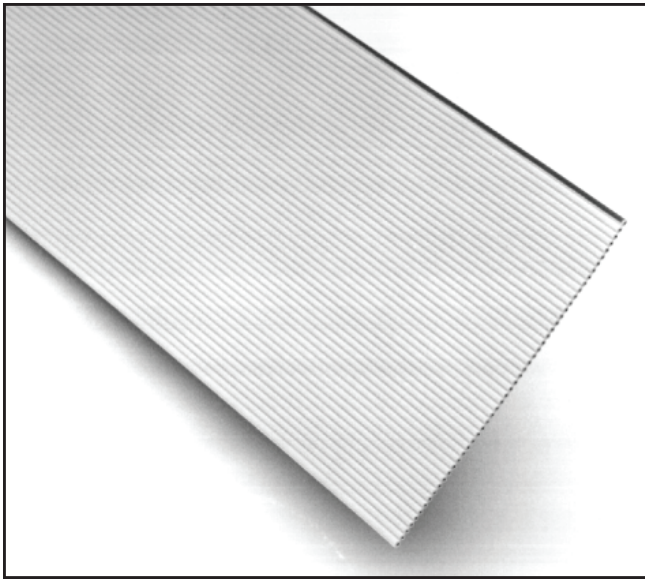
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, FEP

3601 Series



- FEP insulation is compatible with most insulation displacement connectors
- .050 inch pitch parallel conductors for mass termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Nonflammable
- UL Recognized to 200°C
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: October 30, 2013

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Physical

Insulation:

Material: Fluorinated Ethylene Propylene (FEP)

Color: Blue

Marking:

Standard: None

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

Electrical

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

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

Unbalanced

Characteristic Impedance: 131 Ω

Capacitance: 9.9 pF/ft [32.5 pF/m]

Inductance: 0.17 $\mu\text{H/ft [0.56 } \mu\text{H/m]}$

Propagation Delay: 1.29 ns/ft [4.23 ns/m]

Velocity of Propagation: 79%

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

Environmental

Temperature Rating: -55°C to +200°C

Flammability Rating: USA: VW-1

UL File No.: E42769, Style No: 20424

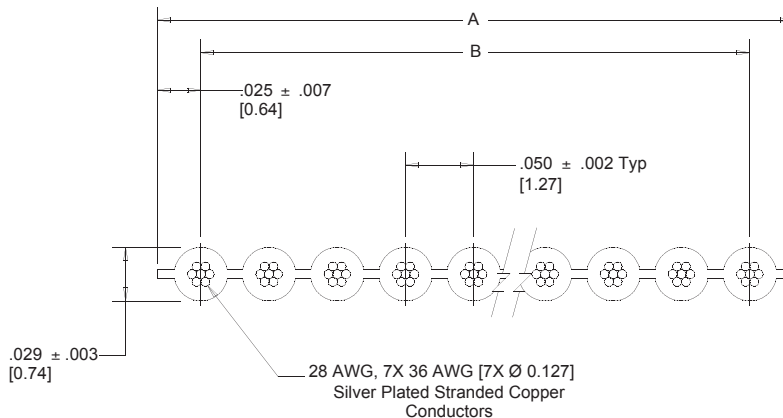
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Number of Conductors	3M Part Number	Dimension A	Dimension B
04	3601/04	0.200 ± .008 [5.08]	0.150 ± .007 [3.81]
06	3601/06	0.300 ± .008 [7.62]	0.250 ± .007 [6.35]
08	3601/08	0.400 ± .008 [10.16]	0.350 ± .007 [8.89]
10	3601/10	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
12	3601/12	0.600 ± .010 [15.24]	0.550 ± .007 [13.97]
14	3601/14	0.700 ± .010 [17.78]	0.650 ± .007 [16.51]
15	3601/15	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
16	3601/16	0.800 ± .010 [19.05]	0.750 ± .007 [17.78]
20	3601/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
25	3601/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	3601/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	3601/30	1.500 ± .015 [38.10]	1.450 ± .011 [36.83]
34	3601/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
40	3601/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	3601/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	3601/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	3601/64	3.200 ± .020 [81.28]	3.150 ± .015 [40.01]



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

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

[] Dimensions for Reference Only

Ordering Information

3601/XX

Number of Conductors
(See Table)

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

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**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnectors.com

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