



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

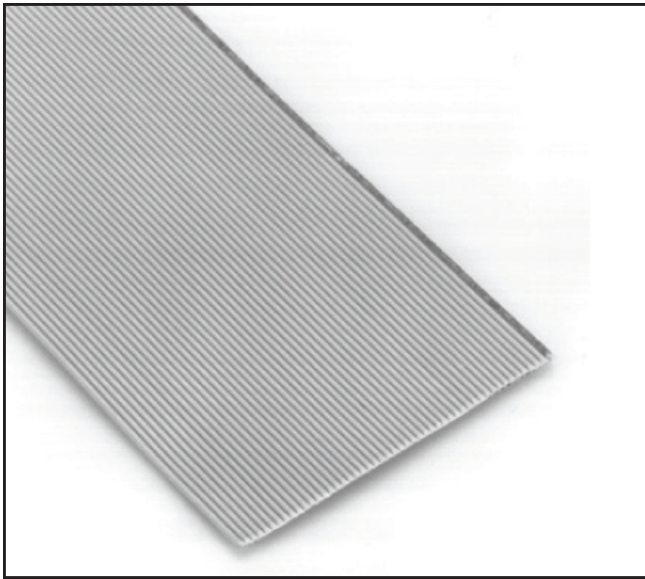
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.025" 30 AWG Solid, FEP

3604 Series



- FEP insulation is compatible with most insulation displacement connectors
- .025 inch pitch parallel conductors for mass termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Nonflammable
- UL Recognized to 150°C
- See Regulatory Information Appendix (RIA) for chemical compliance information (RIA E1 & C1 apply)

Date Modified: November 1, 2013

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Physical

Insulation:

Material: Fluorinated Ethylene Propylene (FEP)

Color: Opaque White

Marking:

Standard: None

Conductors: 30 AWG, Solid [Ø 0.254] Silver Plated Copper

Electrical

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

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

Unbalanced: **Balanced:**

Characteristic Impedance: 99 Ω 195 Ω

Capacitance: 13.8 pF/ft [45.3 pF/m] 8.2 pF/ft [26.9 pF/m]

Inductance: 0.14 $\mu\text{H/ft [0.46 } \mu\text{H/m]}$ 0.23 $\mu\text{H/ft [0.75 } \mu\text{H/m]}$

Propagation Delay: 1.38 ns/ft [4.95 ns/m] 1.36 ns/ft [4.46 ns/m]

Velocity of Propagation: 74% 75%

Note: Unbalanced is measured between ground-signal-ground conductors, with shield grounded. Balanced is measured between signal conductors within a pair, with the shield floating.

Environmental

Temperature Rating: -55°C to +150°C

Flammability Rating: USA: VW-1

UL File No.: E42769, Style No: 20726

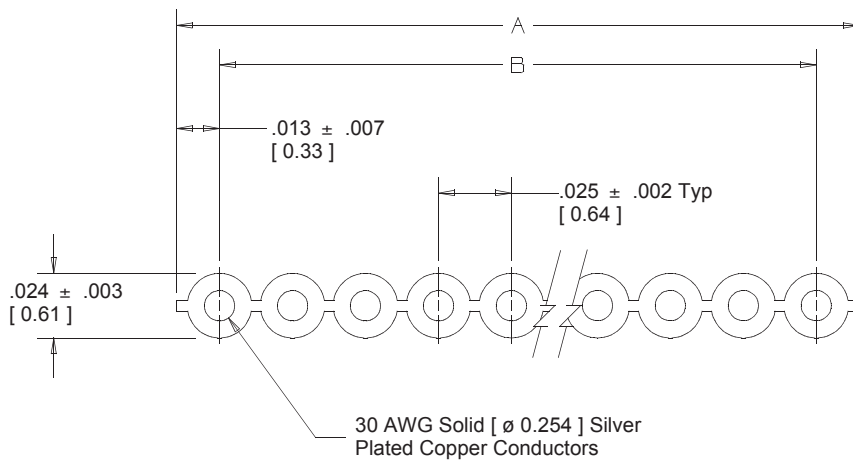
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Number of Conductors	3M Part Number	Dimension A	Dimension B
04	3604/04	0.100 ± .005 [2.54]	0.075 ± .003 [1.91]
06	3604/06	0.150 ± .005 [3.81]	0.125 ± .003 [3.18]
08	3604/08	0.200 ± .005 [5.08]	0.175 ± .003 [4.45]
10	3604/10	0.250 ± .006 [6.35]	0.225 ± .004 [5.72]
12	3604/12	0.300 ± .006 [7.62]	0.275 ± .004 [6.99]
14	3604/14	0.350 ± .006 [8.89]	0.325 ± .004 [8.26]
16	3604/16	0.400 ± .006 [10.16]	0.375 ± .004 [9.53]
20	3604/20	0.500 ± .007 [12.70]	0.475 ± .005 [12.07]
26	3604/26	0.650 ± .007 [16.51]	0.625 ± .005 [15.88]
30	3604/30	0.750 ± .007 [19.05]	0.725 ± .005 [18.42]
34	3604/34	0.850 ± .007 [21.59]	0.825 ± .005 [20.96]
36	3604/36	0.900 ± .007 [22.86]	0.875 ± .005 [22.23]
40	3604/40	1.000 ± .010 [25.40]	0.975 ± .006 [24.77]
50	3604/50	1.250 ± .010 [31.75]	1.225 ± .006 [31.12]
60	3604/60	1.500 ± .010 [38.10]	1.475 ± .006 [37.47]
64	3604/64	1.600 ± .010 [40.64]	1.575 ± .006 [40.01]
68	3604/68	1.700 ± .010 [43.18]	1.675 ± .006 [42.55]
80	3604/80	2.000 ± .010 [50.80]	1.975 ± .006 [50.17]
100	3604/100	2.500 ± .010 [63.50]	2.475 ± .006 [62.87]



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

[] Dimensions for Reference Only

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

Ordering Information

3604/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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