



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!



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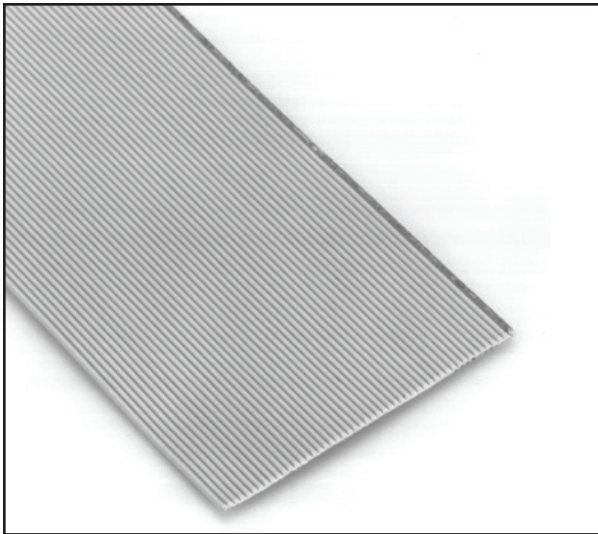
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.025" 30 AWG Stranded, PVC

3754 Series



- Close spacing permits higher signal density
- PVC insulation provides excellent flexibility
- 30 AWG stranded on .025 inch spacing allows for mass termination as well as increased flexibility
- Recommended for use with the 82XXX-600X Series .050" x .100" Tripolarized Wiremount Mini Socket (82XXX-600X) and Pak 25 (P25E-XXX-STGF)
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: November 1, 2013

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Physical

Insulation:

Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking:

Standard: None

Conductors: 30 AWG 7 X 38 [7 X 0.102] 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
73 Ω

Balanced
122 Ω

Capacitance: 20.8 pF/ft (68.2 pF/m)

12.0 pF/ft (39.4 pF/m)

Inductance: .11 $\mu\text{H/ft}$ (0.36 $\mu\text{H/m}$)

.18 $\mu\text{H/ft}$ (0.59 $\mu\text{H/m}$)

Propagation Delay: 1.51 ns/ft (4.95 ns/m)

1.45 ns/ft (4.76 ns/m)

Velocity of Propagation: 67%

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: USA:VW-1

UL File No.: E42769, Style No.: 20596

3M

Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

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For technical, sales or ordering information call
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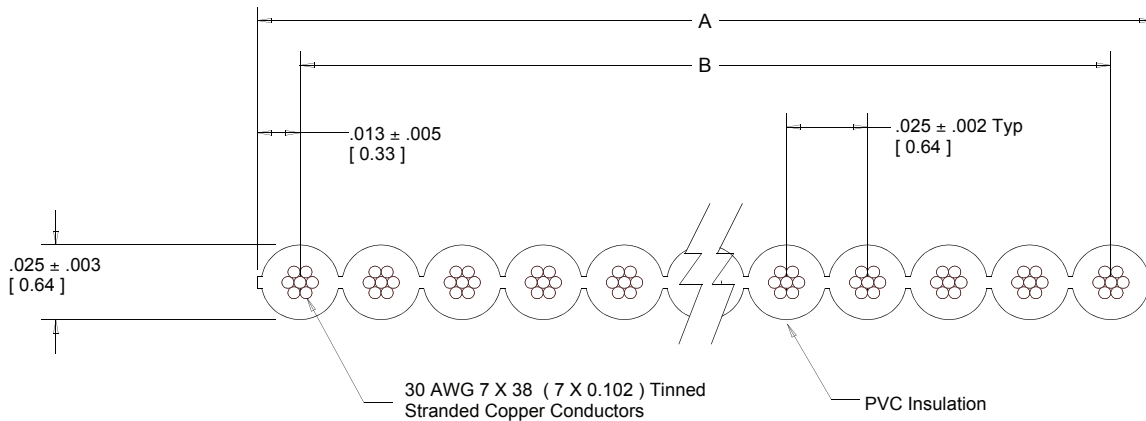


Inch
[mm]

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

[] Dimensions for Reference Only

Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3754/10	0.250 ± .006 [6.350]	0.225 ± .004 [5.72]
12	3754/12	0.300 ± .006 [7.62]	0.275 ± .004 [6.99]
14	3754/14	0.350 ± .006 [8.89]	0.325 ± .004 [8.26]
16	3754/16	0.400 ± .006 [10.16]	0.375 ± .004 [9.53]
20	3754/20	0.500 ± .006 [12.70]	0.475 ± .004 [12.07]
26	3754/26	0.650 ± .006 [16.51]	0.625 ± .004 [15.88]
30	3754/30	0.750 ± .006 [19.05]	0.725 ± .006 [18.42]
32	3754/32	0.800 ± .008 [20.32]	0.775 ± .006 [19.69]
34	3754/34	0.850 ± .009 [21.59]	0.825 ± .006 [20.96]
36	3754/36	0.900 ± .009 [22.86]	0.875 ± .006 [22.23]
40	3754/40	1.000 ± .009 [25.40]	0.975 ± .006 [24.77]
50	3754/50	1.250 ± .009 [31.75]	1.225 ± .006 [31.12]
52	3754/52	1.300 ± .009 [33.02]	1.275 ± .006 [32.39]
60	3754/60	1.500 ± .012 [38.10]	1.475 ± .009 [37.47]
68	3754/68	1.700 ± .012 [43.18]	1.675 ± .009 [42.55]
80	3754/80	2.000 ± .015 [50.80]	1.975 ± .011 [50.17]
100	3754/100	2.500 ± .015 [63.50]	2.475 ± .012 [62.87]



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

Ordering Information

3754/XX

Number of Conductors
(See Table)

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

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