



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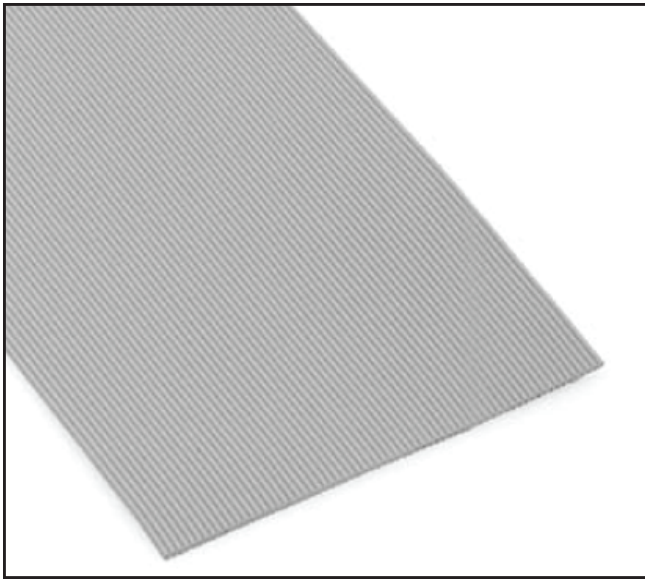
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Round Conductor Flat Cable

.025" 30 AWG Solid, PVC

3447 Series



- .025 inch wire spacing increases signal density
- PVC insulation provides excellent flexibility
- 30 AWG solid conductors on .025 inch wire spacing is designed for mass termination
- Zippable for branching or discrete termination
- Designed for use with Ultra-ATA cable assemblies
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnectors.com for compliance information (RIA E1 and C1 apply).

Date Modified: November 1, 2013

TS-0830-D
Sheet 1 of 2

Physical

Insulation Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking: None

Conductors: 30 AWG [Ø 0.254] Tinned Solid Copper

Electrical

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

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

	Unbalanced	Balanced
Characteristic Impedance:	81 Ω	136 Ω

Capacitance:	19.1 pF/ft [62.7 pF/m]	11.0 pF/ft [36.1 pF/m]
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Inductance:	0.13 $\mu\text{H}/\text{ft}$ [0.43 $\mu\text{H}/\text{m}$]	0.20 $\mu\text{H}/\text{ft}$ [0.66 $\mu\text{H}/\text{m}$]
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Propagation Delay:	1.55 ns/ft [5.09 ns/m]	1.49 ns/ft [4.89 ns/m]
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Velocity of Propagation:	66%	68%
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Note: Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between conductors within a pair.

Environmental

Temperature Rating: -20C to +105C

Flammability Rating: USA: VW-1

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

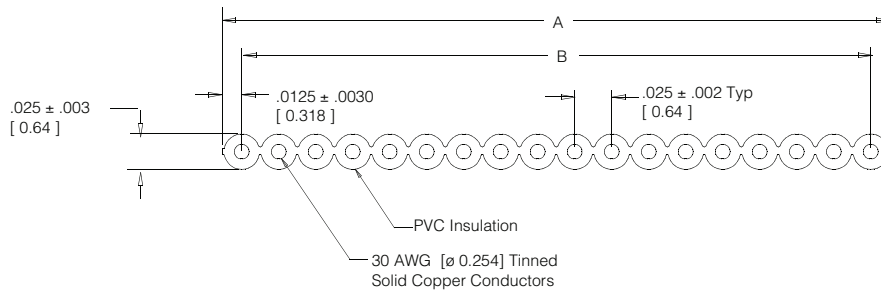
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Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3447/10	0.250 ± .006 [6.35]	0.225 ± .004 [5.72]
12	3447/12	0.300 ± .006 [7.62]	0.275 ± .004 [6.99]
14	3447/14	0.350 ± .006 [8.89]	0.325 ± .004 [8.26]
16	3447/16	0.400 ± .006 [10.16]	0.375 ± .004 [9.53]
20	3447/20	.500 ± .006 [12.70]	.475 ± .004 [12.07]
26	3447/26	.650 ± .006 [16.51]	.625 ± .004 [15.88]
30	3447/30	0.750 ± .009 [19.05]	0.725 ± .006 [18.42]
34	3447/34	.850 ± .009 [21.59]	.825 ± .006 [20.96]
36	3447/36	.900 ± .009 [22.86]	.875 ± .006 [22.23]
40	3447/40	1.000 ± .009 [24.40]	.975 ± .006 [24.77]
50	3447/50	1.250 ± .009 [31.75]	1.225 ± .006 [31.12]
60	3447/60	1.500 ± .012 [38.10]	1.475 ± .009 [37.47]
68	3447/68	1.700 ± .012 [43.18]	1.675 ± .009 [42.55]
80	3447/80	2.000 ± .015 [50.80]	1.975 ± .011 [50.17]
100	3447/100	2.500 ± .015 [63.50]	2.475 ± .012 [62.87]



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

[] Dimensions for Reference Only

Note:

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

Ordering Information

3447/XX XX

Number of Conductors
(See Table)

Blank = Standard
SF = Splice Free

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.

TS-0830-D
Sheet 2 of 2

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