



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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3M™ Round, Jacketed, Flat Cable

.050" 28 AWG Stranded, Mass-Term, PVC/PVC

3834 Series



- High flex life cable product in a round jacketed construction permits flexing
- Round construction permits easier routing
- 28 AWG wire on .050 inch wire spacing permits mass termination to broad line of IDC connectors
- Continuous split/bond repeat allows for mass termination on 2.4 inch centers (approximate)
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- Primary cable is zippable for branching or discrete terminations
- UL listed for USA and Canadian markets
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 13, 2010

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Physical

Jacket Material: Polyvinyl Chloride (PVC)

Color: Black

Primary Material: PVC

Marking Standard: (UL) CL2 75C 28 AWG 3M NU AWM IIA/B 80C 300V FT1 EU <50V
28 AWG, 19 × 40 AWG [19 × ϕ 0.79] Silver Plated Stranded Copper Alloy

Conductors: (89% conductivity)

Inner Wrap: Polyester Film

Electrical

Voltage Rating: USA: N.E.C. 725, CL2 Canada: 300V EU: <50V

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

Characteristic Impedance:	Unbalanced	Balanced
	75 Ω	128 Ω

Capacitance: 22.4 pF/ft [73.5 pF/m]	12.8 pF/ft [42.00 pF/m]
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Inductance: 0.12 $\mu\text{H/ft [0.41 } \mu\text{H/m]}$	0.21 $\mu\text{H/ft [0.69 } \mu\text{H/m]}$
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Propagation Delay: 1.67 ns/ft [1.57 ns/m]	1.64 ns/ft [5.38 ns/m]
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Velocity of Propagation: 61%	62%
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Note: Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between conductors within a pair.

Environmental

Temperature Rating: USA: CL2: 75°C; Canada: 80°C

Flammability Rating: USA: N.E.C. 725, CL2; Canada: FT1

UL File No.: E118773, Power Limited Circuit Cable: CL2

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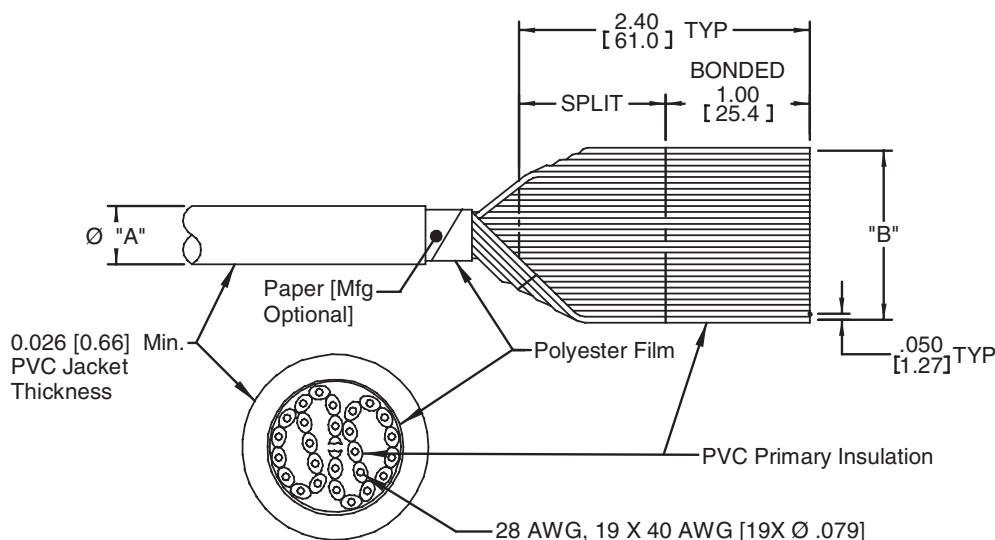


Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.05	±.010

[] Dimensions for Reference Only

Number of Conductors	3M Part Number	Dimension A ± .03	Dimension B (See Note 2)
10	3834/10	0.26 [6.6]	0.45 [11.4]
14	3834/14	0.27 [6.9]	0.65 [16.5]
16	3834/16	0.27 [6.9]	0.75 [19.1]
20	3834/20	0.30 [7.6]	0.95 [24.1]
24	3834/24	0.33 [8.4]	1.15 [29.2]
26	3834/26	0.33 [8.4]	1.25 [31.8]
34	3834/34	0.37 [9.4]	1.65 [41.9]
40	3834/40	0.39 [9.9]	1.95 [49.5]
50	3834/50	0.44 [11.2]	2.45 [62.2]
60	3834/60	0.47 [11.9]	2.95 [74.9]
64	3834/64	0.50 [12.7]	3.15 [80.0]



Notes:

1. Red marking on one edge of primary cable designates wire #1.
2. Dimension B pertains to bonded area only.

Ordering Information

3834/XX XX XX

Number of Conductors
(See Table)

Blank = Standard
S0 = Continuously Bonded Wire (No Split)

Blank = Standard
SF = Splice Free

Note3:

Available in standard 275 ft. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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