



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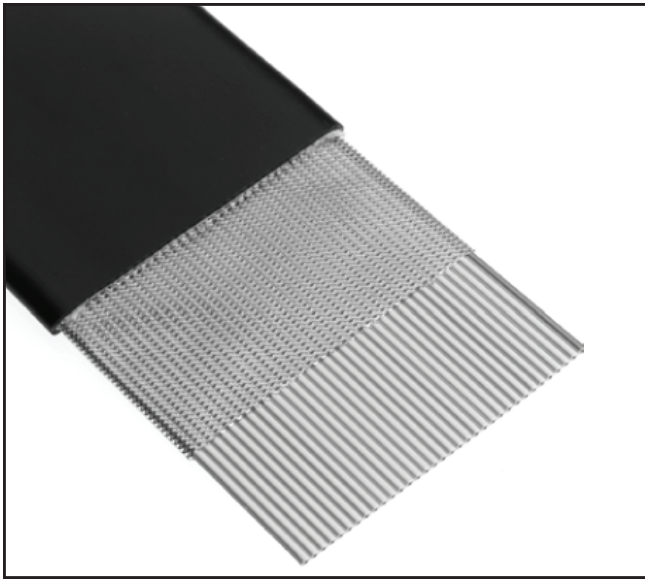
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Shielded/Jacketed, Flat Cable

.050" 28 AWG Stranded, PVC/PVC

3517 Series



- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- UL listed for USA and Canadian markets
- 28 AWG stranded wire on .050 inch centers permits mass termination to broad line of IDC connectors
- 360 degree expanded copper shielding provides 20 db average shielding effectiveness
- Primary cable is zippable for branching or discrete terminations
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3M.com/Interconnects for compliance information (RIA E1 & C1 apply)

Date Modified: December 8, 2009

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Physical


Jacket Material: Polyvinyl Chloride (PVC)

Color: Black

Primary Material: PVC

Color: Gray

Marking:

Standard: (UL) CL2 75C 28 AWG or AWM 20879 3M NU C  AWM IIA/B 80C 300V FT1 EU <50V

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

Shielding Material: Expanded Copper

Electrical

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

Insulation Resistance: (Primary Cable) > 1 × 10¹⁰ Ω/10 ft. [3 m]

Characteristic Impedance:	Unbalanced	Balanced
	70 Ω	119 Ω

Capacitance:	21.5 pF/ft [70.5 pF/m]	12.7 pF/ft [41.7 pF/m]
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Inductance:	0.11 μH/ft [0.35 μH/m]	0.18 μH/ft [0.59 μH/m]
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Propagation Delay:	1.51 ns/ft [4.95 ns/m]	1.51 ns/ft [4.95 ns/m]
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Velocity of Propagation:	67%	67%
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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: USA: CL2; 75°C or AWM: -20°C to +80°C Canada: 80°C

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

UL File No.: E118773, Power Limited Circuit Cable: CL2 (or AWM Style 20879)

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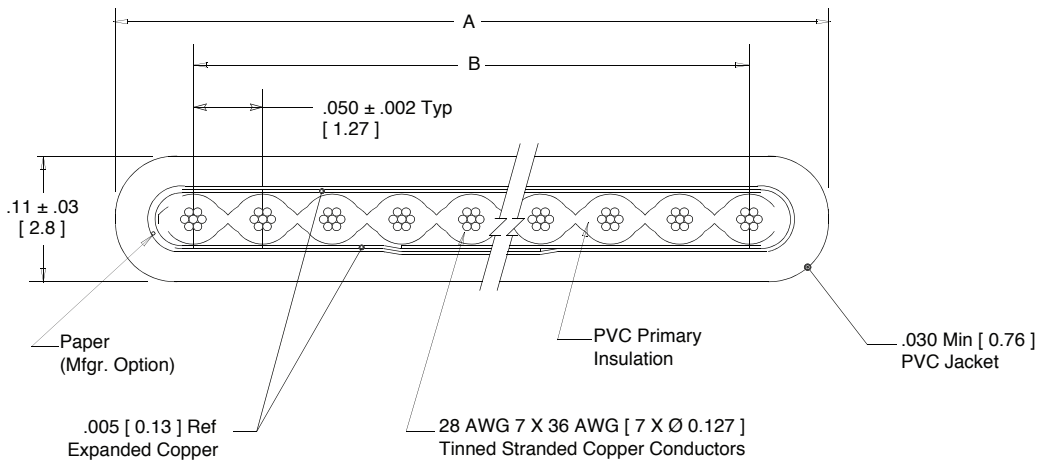


Inch
[mm]

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

[] Dimensions for Reference Only

Number of Conductors	3M Part Number	Dimension A ± .040"	Dimension B
09	3517/09	.58 [14.7]	0.400 ± .007 [10.16]
10	3517/10	.63 [16.0]	0.450 ± .007 [11.43]
14	3517/14	.83 [21.1]	0.650 ± .007 [16.51]
15	3517/15	.88 [22.4]	0.700 ± .007 [17.78]
16	3517/16	.93 [23.6]	0.750 ± .011 [19.05]
20	3517/20	1.13 [28.7]	0.950 ± .011 [24.13]
24	3517/24	1.33 [33.8]	1.150 ± .011 [29.21]
25	3517/25	1.38 [35.0]	1.200 ± .011 [30.48]
26	3517/26	1.43 [36.3]	1.250 ± .011 [31.75]
30	3517/30	1.63 [41.4]	1.450 ± .015 [36.83]
34	3517/34	1.83 [46.5]	1.650 ± .015 [41.91]
36	3517/36	1.93 [49.0]	1.750 ± .015 [44.45]
37	3517/37	1.98 [50.3]	1.800 ± .015 [45.72]
40	3517/40	2.13 [54.1]	1.950 ± .015 [49.53]
50	3517/50	2.63 [66.8]	2.450 ± .015 [62.23]
60	3517/60	3.13 [79.5]	2.950 ± .015 [74.93]
64	3517/64	3.38 [85.9]	3.150 ± .015 [80.01]



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

Ordering Information

3517/XX XX

Blank = Standard
C = Canadian Certified Version

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.

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