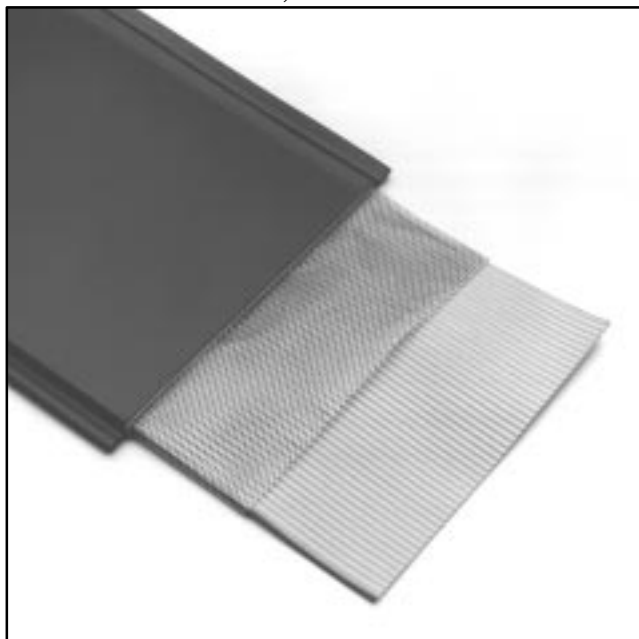


.050" Shielded/Jacketed, Flat Cable

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

Date Issued: July 29, 1999

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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  AWM IIA/B 80C 300V FT1
EU <50V

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

Shielding Material: Expanded Copper

Electrical

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

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

	Unbalanced	Balanced
Characteristic Impedance:	70 Ω	119 Ω
Capacitance:	21.5 pF/ft (70.5 pF/m)	12.7 pF/ft (41.7 pF/m)
Inductance:	.11 μH/ft (0.36 μH/m)	.19 μH/ft (0.62 μH/m)
Propagation Delay:	1.51 ns/ft (4.95 ns/m)	1.51 ns/ft (4.95 ns/m)
Velocity of Propagation:	67%	67%

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)

3M Electronic Products Division

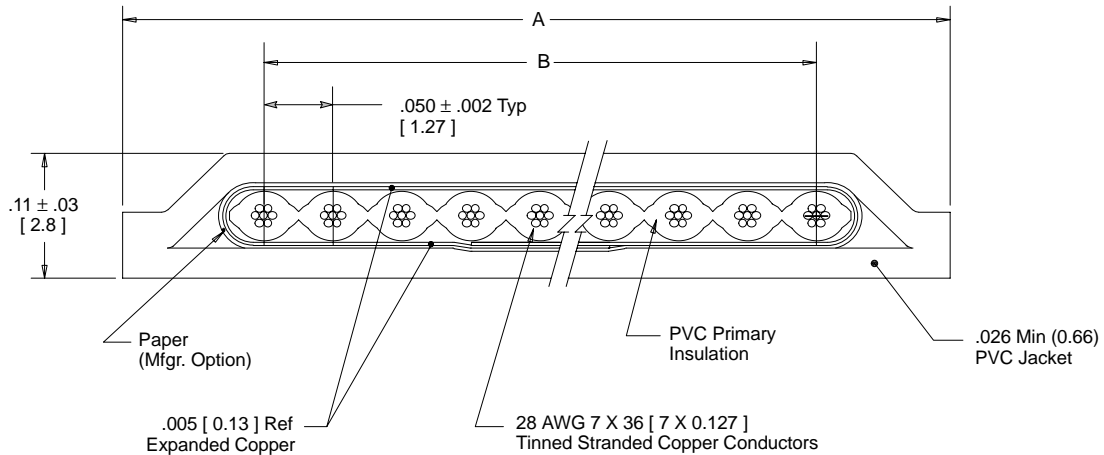
6801 River Place Blvd.
Austin, TX 78726-9000

For technical, sales or ordering information call
800-225-5373

.050" Shielded/Jacketed, Flat Cable
28 AWG Stranded, PVC/PVC

3517 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	3517/09	0.77 ± .03 [19.6]	0.400 ± .007 [10.16]
10	3517/10	0.77 ± .03 [19.6]	0.450 ± .007 [11.43]
14	3517/14	1.07 ± .03 [27.2]	0.650 ± .007 [16.51]
15	3517/15	1.07 ± .03 [27.2]	0.700 ± .007 [17.78]
16	3517/16	1.07 ± .03 [27.2]	0.750 ± .011 [19.05]
20	3517/20	1.27 ± .03 [32.3]	0.950 ± .011 [24.13]
24	3517/24	1.62 ± .03 [41.2]	1.150 ± .011 [29.21]
25	3517/25	1.62 ± .03 [41.2]	1.200 ± .011 [30.48]
26	3517/26	1.62 ± .03 [41.2]	1.250 ± .011 [31.75]
30	3517/30	1.77 ± .03 [45.0]	1.450 ± .015 [36.83]
34	3517/34	1.97 ± .03 [50.0]	1.650 ± .015 [41.91]
36	3517/36	2.12 ± .03 [53.8]	1.750 ± .015 [44.45]
37	3517/37	2.12 ± .03 [53.8]	1.800 ± .015 [45.72]
40	3517/40	2.27 ± .03 [57.7]	1.950 ± .015 [49.53]
50	3517/50	2.80 ± .03 [71.1]	2.450 ± .015 [62.23]
60	3517/60	3.35 ± .05 [85.1]	2.950 ± .015 [74.93]
64	3517/64	3.55 ± .05 [90.2]	3.150 ± .015 [80.01]



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

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

[] Dimensions for Reference only

Ordering Information

3517/XX

Number of Conductors
(See Table)

Note: Standard length is 100 ft/roll.

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Sheet 2 of 2

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