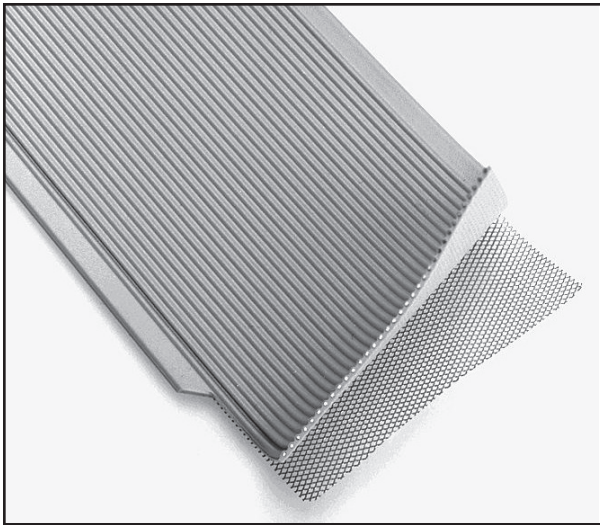


3M™ Ground Plane Cable

.050" 28 AWG Stranded, No Drain, PVC

3469 Series



- 28 AWG wire on .050 inch wire spacing permits mass termination to a broad line of IDC connectors
- Ground plane construction for increased signal density or improved transmission properties
- Stranded wire provides flexibility and extended product life
- Ground plane can be stripped by hand for easy termination
- RoHS Compliant. 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: September 3, 2009

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Sheet 1 of 2

Physical

Insulation:

Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking:

Standard: None

Canadian Option:  AWM 2682 105C 300V VW1 3M NU
C  AWM IA 105C 150V FT1 EU <50V

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

Electrical

Voltage Rating: USA: 300V Canada: 150V EU: <50V

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

Characteristic Impedance: Unbalanced: 65 Ω

Capacitance: Unbalanced: 25.1 pF/ft (82.3 pF/m)

Inductance: Unbalanced: 0.11 $\mu\text{H}/\text{ft}$ (0.36 $\mu\text{H}/\text{m}$)

Propagation Delay: Unbalanced: 1.64 ns/ft (5.38 ns/m)

Velocity of Propagation: Unbalanced: 62%

Note: Unbalanced is measured between ground-signal-ground conductors, with the ground plane grounded.

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: USA:VW-1 Canada:FT1

Regulatory Classification: EU: Compliant, see RIA note E1

CN:  , see RIA note C1

Regulatory Information Appendix (RIA) attached

UL File No.: E42769, Style No: 2682

3M

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

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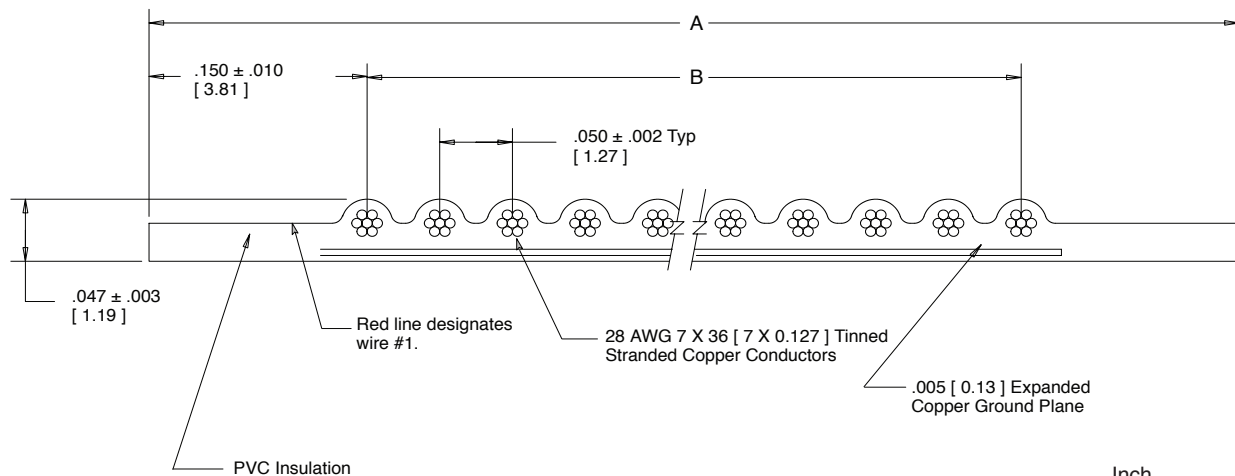
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Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3469/10	0.750 ± .015 [19.05]	0.450 ± .010 [11.43]
14	3469/14	0.950 ± .015 [24.13]	0.650 ± .010 [16.51]
15	3469/15	1.000 ± .015 [25.40]	0.700 ± .010 [17.78]
16	3469/16	1.050 ± .015 [26.67]	0.750 ± .010 [19.05]
20	3469/20	1.250 ± .015 [31.75]	0.950 ± .010 [24.13]
25	3469/25	1.500 ± .015 [38.10]	1.200 ± .010 [30.48]
26	3469/26	1.550 ± .015 [39.37]	1.250 ± .010 [31.75]
34	3469/34	1.950 ± .015 [49.53]	1.650 ± .010 [41.91]
37	3469/37	2.100 ± .015 [53.34]	1.800 ± .010 [45.72]
40	3469/40	2.250 ± .015 [57.15]	1.950 ± .010 [49.53]
50	3469/50	2.750 ± .015 [69.85]	2.450 ± .010 [62.23]
60	3469/60	3.250 ± .015 [82.55]	2.950 ± .010 [74.93]
64	3469/64	3.450 ± .015 [87.63]	3.150 ± .010 [80.01]



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

[] Dimensions for Reference Only

Ordering Information

Blank = Standard
 C = Canadian Certified Version

3469/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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