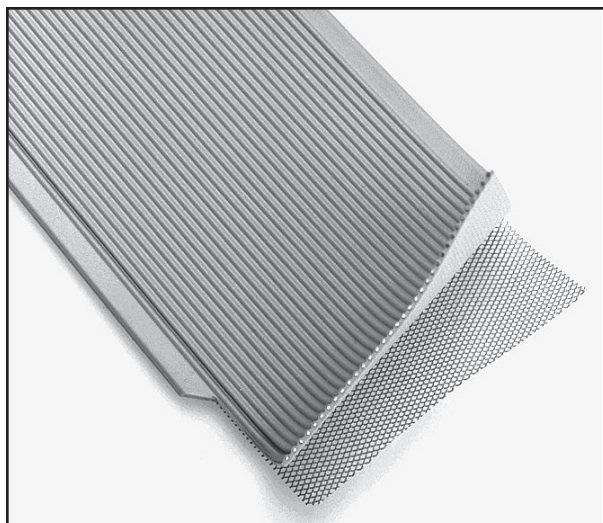


3M™ Ground Plane Cable

.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 FT1 3M NU
C  AWM IA 105C 150V FT1 EU <50V

Conductors: 28 AWG 7 x 35 [7 x 0.127] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 30V Canada: 150V EU: <50V

Insulation Resistance: $> 10^4 \Omega / 10 \text{ ft [3 m]}$

Characteristic Impedance: Unbalanced: 65 Ω

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

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

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



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

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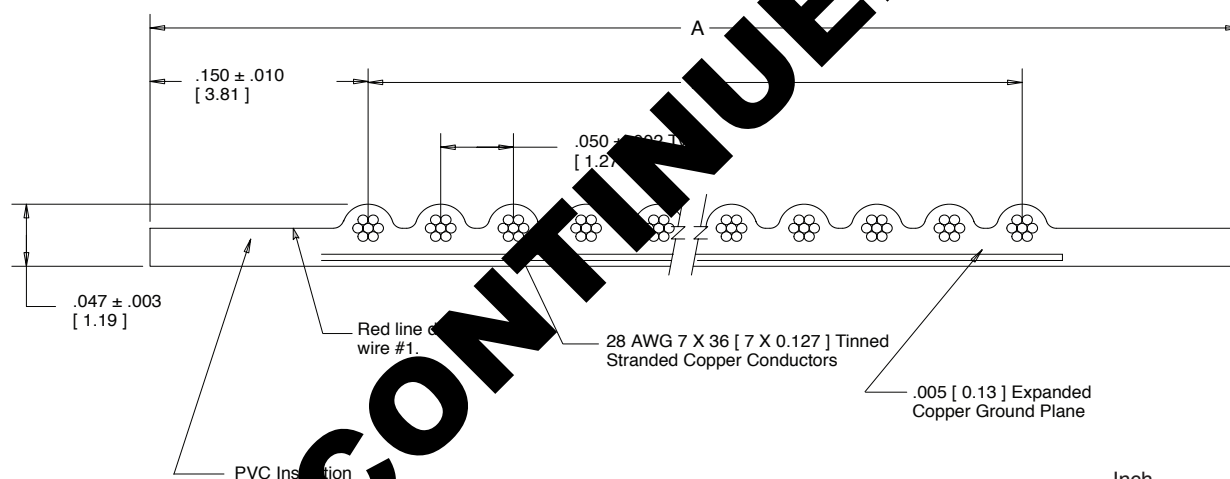
3M™ Ground Plane Cable

.050" 28 AWG Stranded, No Drain, PVC

3469 Series



| 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] | 1.900 ± .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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