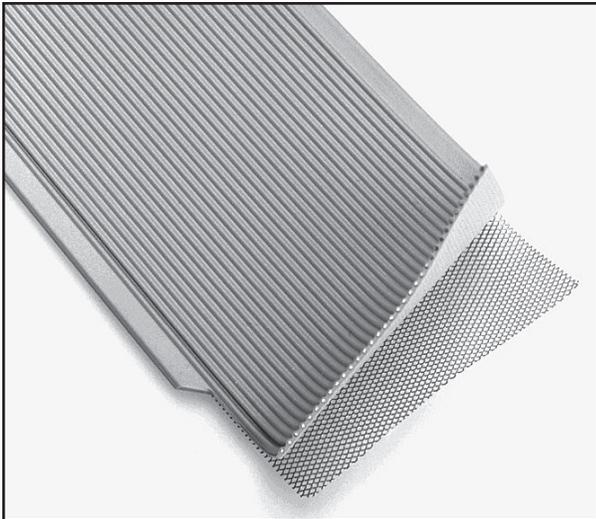


# 3M™ Ground Plane Cable

.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](http://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 100V FT1 3M NU  
C  AWM IA 105C 100V FT1 EU <50V

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

## Electrical

**Voltage Rating:** USA: 100V Canada: 150V EU: <50V

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

**Characteristic Impedance:** Unbalanced: 65  $\Omega$

**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

**3M**

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

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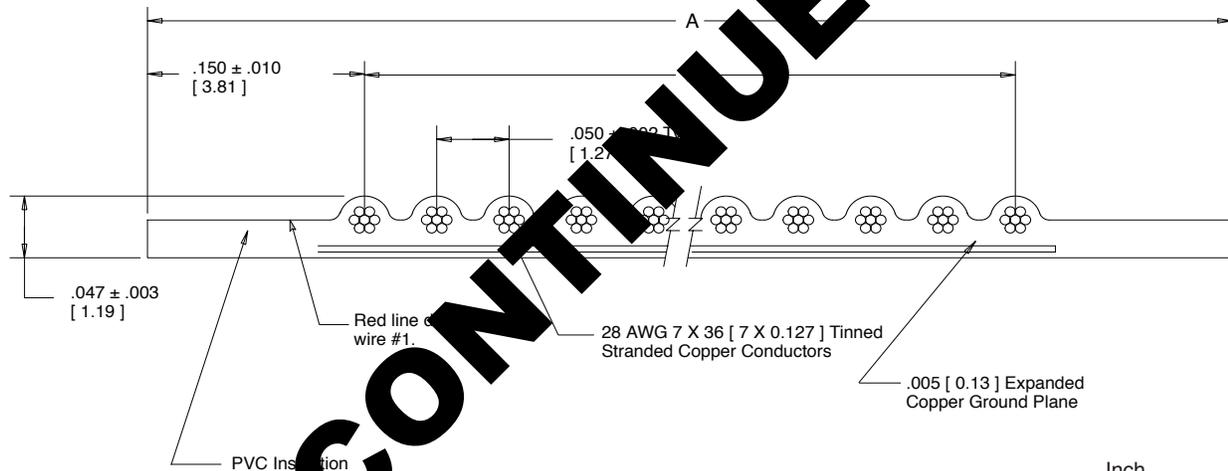
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Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3469/10	0.750 ± .015 [ 19.05 ]	0.450 ± .010 [ 11.43 ]
14	3469/14	0.950 ± .015 [ 24.13 ]	0.650 ± .010 [ 16.51 ]
15	3469/15	1.000 ± .015 [ 25.40 ]	0.700 ± .010 [ 17.78 ]
16	3469/16	1.050 ± .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 ]	1.900 ± .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 ]



DISCONTINUED

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

[ ] Dimensions for Reference Only

## Ordering Information

3469/XX

Blank = Standard  
C = Canadian Certified Version

Number of Conductors  
(See Table)

Note: Standard length is 100 ft/roll.

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Sheet 2 of 2

**DISCONTINUED 7/17**

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