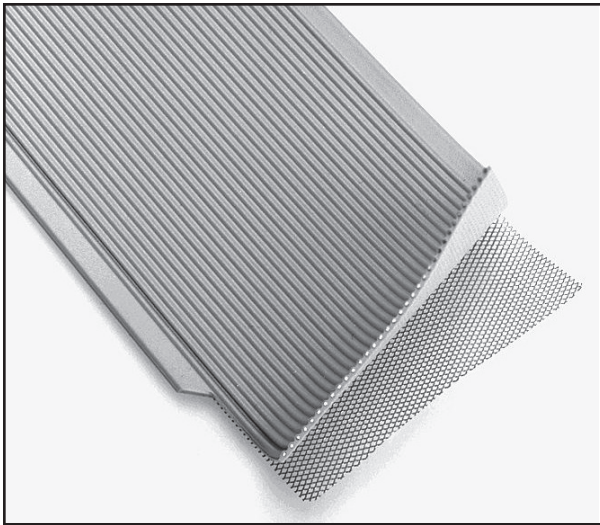


3M™ Ground Plane Cable

.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

TS-0077-C
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/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

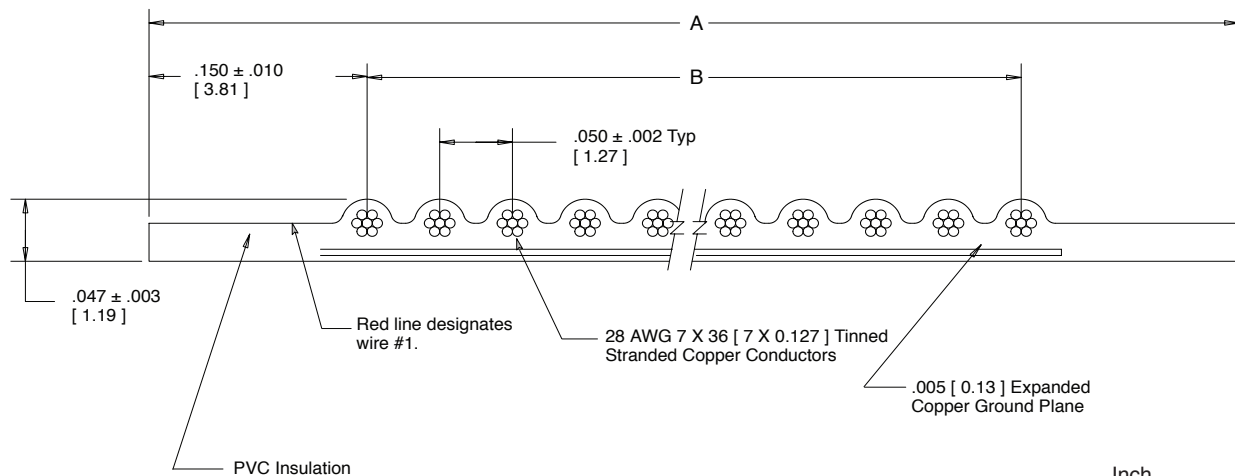
3M™ Ground Plane Cable

.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]	1.950 ± .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.

TS-0077-C
 Sheet 2 of 2

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3m.com/interconnects

Please recycle. Printed in USA.
© 3M 2008. All rights reserved.
RIA-2217B-E

3M is a trademark of 3M Company.