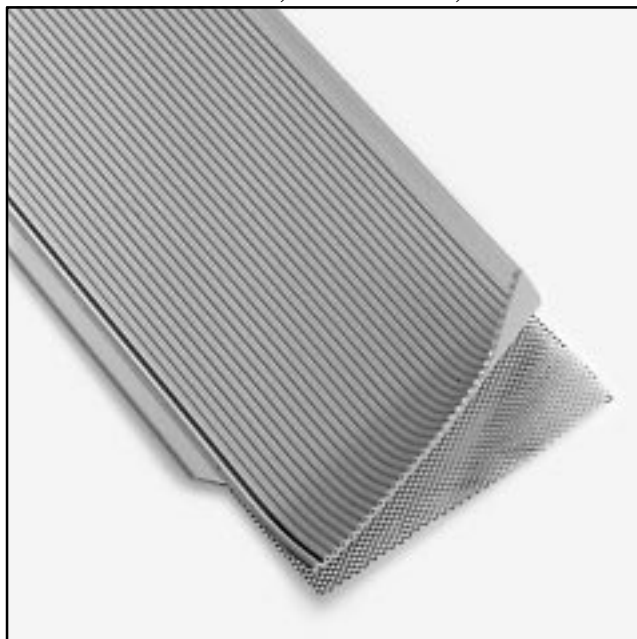


.050" Ground Plane Cable

28 AWG Stranded, One Drain, PVC

3476 Series



- 28 AWG wire on .050 inch centers 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
- The drain wire terminates the ground plane into the first connector contact

Date Modified: July 29, 1999

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Physical

Insulation

Material: Polyvinyl Chloride (PVC)
Color: Gray

Marking

Standard: None

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

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

Electrical

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

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

Characteristic Impedance Unbalanced: 65 Ω

Capacitance Unbalanced: 25.1 pF/ft. [82.3 pF/m]

Inductance Unbalanced: .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.

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: USA: VW-1

Canada: FT1

UL File No.: E42769, Style No.: 2682

3M Interconnect Solutions Division

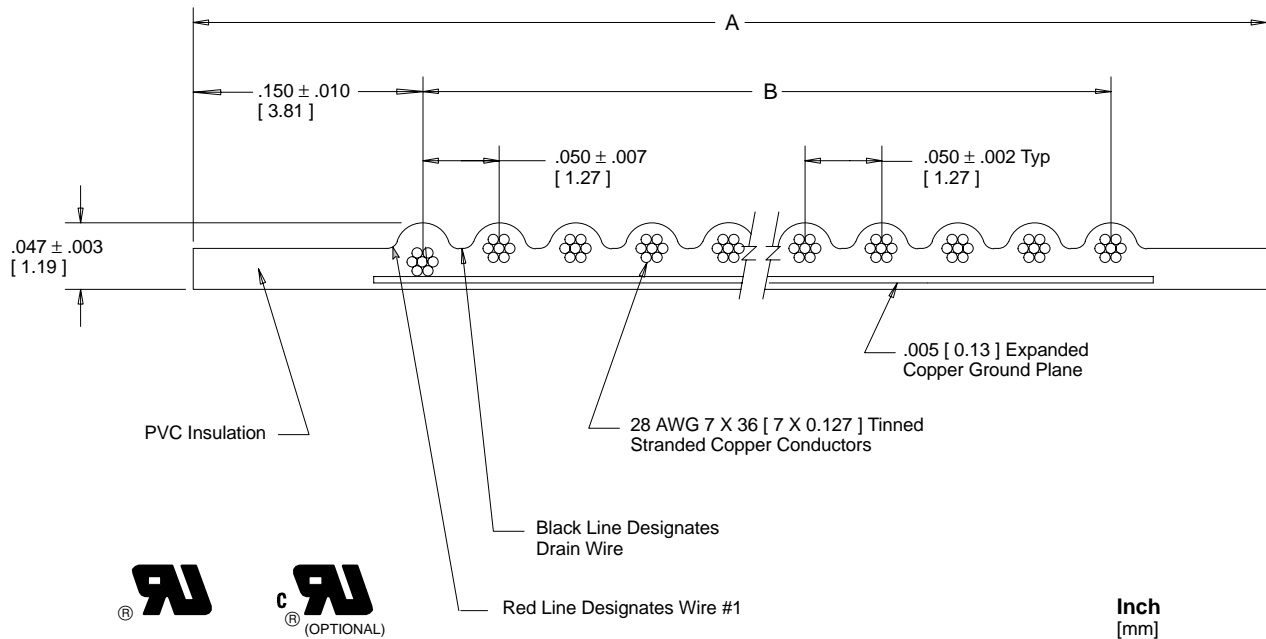
6801 River Place Blvd.
Austin, TX 78726-9000

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

.050" Ground Plane Cable
 28 AWG Stranded, One Drain, PVC

3476 Series

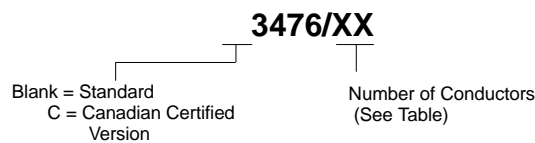
Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3476/10	0.750 ± .015 [19.05]	0.450 ± .010 [11.43]
14	3476/14	0.950 ± .015 [24.13]	0.650 ± .010 [16.51]
15	3476/15	1.000 ± .015 [25.40]	0.700 ± .010 [17.78]
16	3476/16	1.050 ± .015 [26.67]	0.750 ± .010 [19.05]
20	3476/20	1.250 ± .015 [31.75]	0.950 ± .010 [24.13]
24	3476/24	1.450 ± .015 [36.83]	1.150 ± .010 [29.21]
25	3476/25	1.500 ± .015 [38.10]	1.200 ± .010 [30.48]
26	3476/26	1.550 ± .015 [39.37]	1.250 ± .010 [31.75]
34	3476/34	1.950 ± .015 [49.53]	1.650 ± .010 [41.91]
37	3476/37	2.100 ± .015 [53.34]	1.800 ± .010 [45.72]
40	3476/40	2.250 ± .015 [57.15]	1.950 ± .010 [49.53]
50	3476/50	2.750 ± .015 [69.85]	2.450 ± .010 [65.23]
60	3476/60	3.250 ± .015 [82.55]	2.950 ± .010 [74.93]
64	3476/64	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



Note: Available in standard lengths of 100 feet or 300 feet/roll, please specify when ordering.

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Sheet 2 of 2

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