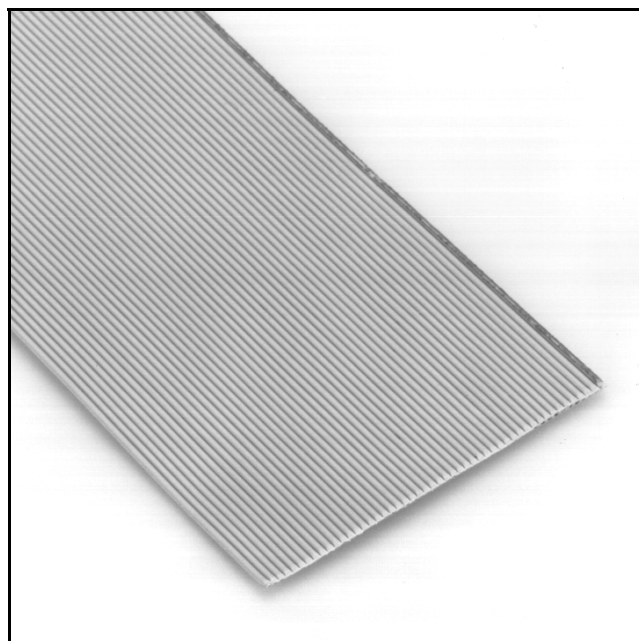


3M™ Round Conductor Flat Cable

.025" 30 AWG Stranded, PVC

3754 Series



- Close spacing permits higher signal density
- PVC insulation provides excellent flexibility
- 30 AWG stranded on .025 inch spacing allows for mass termination as well as increased flexibility
- Recommended for use with the 82XXX-600X Series .050" x.100" Tripolarized Wiremount Mini Socket (82XXX-600X) and Pak 25 (P25E-XXX-S-TGF)
- RoHS* compliant

Date Modified: March 29, 2005

TS-0875-11
Sheet 1 of 2

Physical

Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray

Marking:

Standard: None

Canadian Option:  AWM 20596 105C 30V VW1 3M NU
C  AWM 1A 105C 30V FT1 EU <50V

Conductors: 30 AWG 7 X 38 [7 X 0.102] Tinned Stranded Copper

Electrical

Voltage Rating:	USA: 30V	Canada: 30V	EU: <50V
Insulation Resistance:	$> 1 \times 10^{10} \Omega/10 \text{ ft. [3m]}$		
	Unbalanced	Balanced	
Characteristic Impedance:	73 Ω	122 Ω	
Capacitance:	20.8 pF/ft (68.2 pF/m)	12.0 pF/ft (39.4 pF/m)	
Inductance:	.11 $\mu\text{H/ft}$ (0.36 $\mu\text{H/m}$)	.18 $\mu\text{H/ft}$ (0.59 $\mu\text{H/m}$)	
Propagation Delay:	1.51 ns/ft (4.95 ns/m)	1.45 ns/ft (4.76 ns/m)	
Velocity of Propagation:	67%	70%	

Note: Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between signal conductors within a pair.

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: USA: VW-1 Canada: FT1

UL File No.: E42769, Style No.: 20596

*RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment



Interconnect Solutions

<http://www.3M.com/interconnects/>

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

800-225-5373

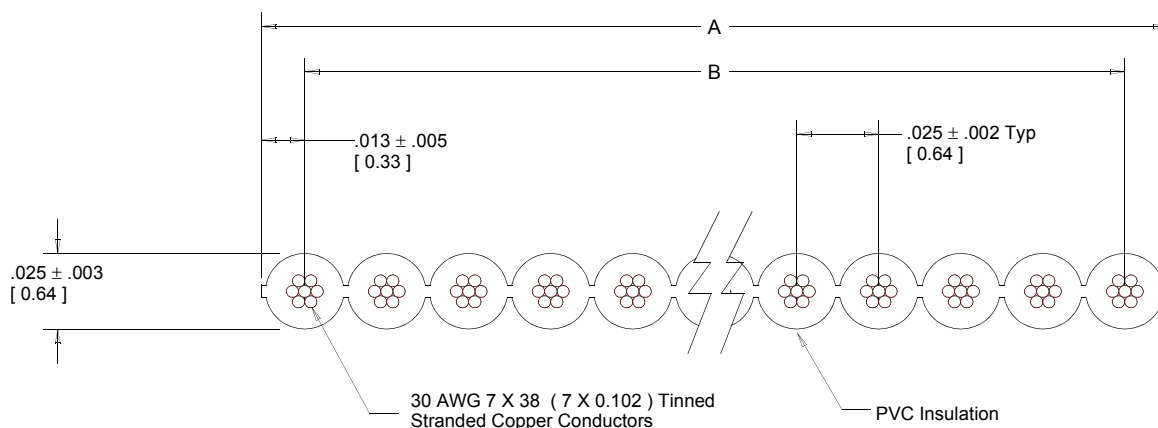
3M™ Round Conductor Flat Cable

.025" 30 AWG Stranded, PVC

3754 Series



Number of Conductors	3M Part Number	Dimension A	Dimension B
20	3754/20	0.500 ± .006 [12.70]	0.475 ± .004 [12.07]
26	3754/26	0.650 ± .006 [16.51]	0.625 ± .004 [15.88]
30	3754/30	0.750 ± .006 [19.05]	0.725 ± .006 [18.42]
32	3754/32	0.800 ± .008 [20.32]	0.775 ± .006 [19.69]
34	3754/34	0.850 ± .009 [21.59]	0.825 ± .006 [20.96]
36	3754/36	0.900 ± .009 [22.86]	0.875 ± .006 [22.23]
40	3754/40	1.000 ± .009 [25.40]	0.975 ± .006 [24.77]
50	3754/50	1.250 ± .009 [31.75]	1.225 ± .006 [31.12]
52	3754/52	1.300 ± .009 [33.02]	1.275 ± .006 [32.39]
60	3754/60	1.500 ± .012 [38.10]	1.475 ± .009 [37.47]
68	3754/68	1.700 ± .012 [43.18]	1.675 ± .009 [42.55]
80	3754/80	2.000 ± .015 [50.80]	1.975 ± .011 [50.17]
100	3754/100	2.500 ± .015 [63.50]	2.475 ± .012 [62.87]



Note:

1. Red marking on one edge of cable designates wire #1.

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

[] Dimensions for Reference only

Ordering Information

3754/XX

Blank = Standard

C = Canadian Certified Version

Number of Conductors
(See Table)

Note:

2. Standard lengths of 300 feet.

TS-0875-11
Sheet 2 of 2



Interconnect Solutions

<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.

For technical, sales or ordering information call

800-225-5373

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 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.**



Electronic Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/esd



Minimum 10%
Post-consumer Fiber

Printed in USA.

© 3M 2005