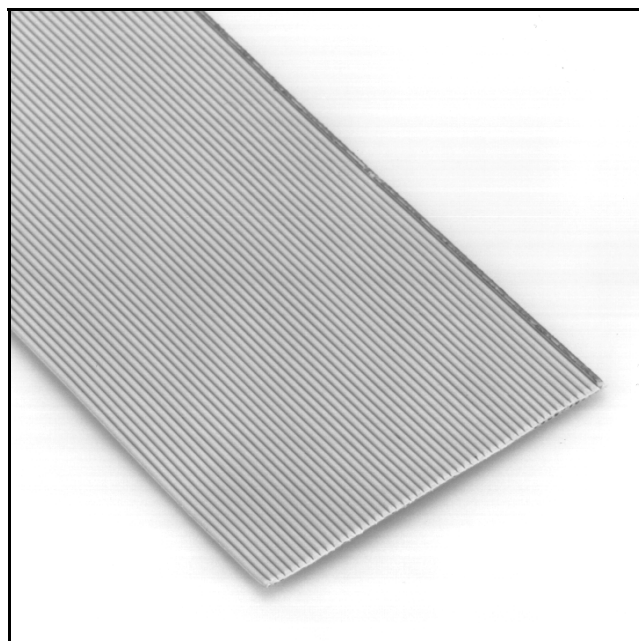


3M™ Round Conductor Flat Cable

.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** IA 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/>

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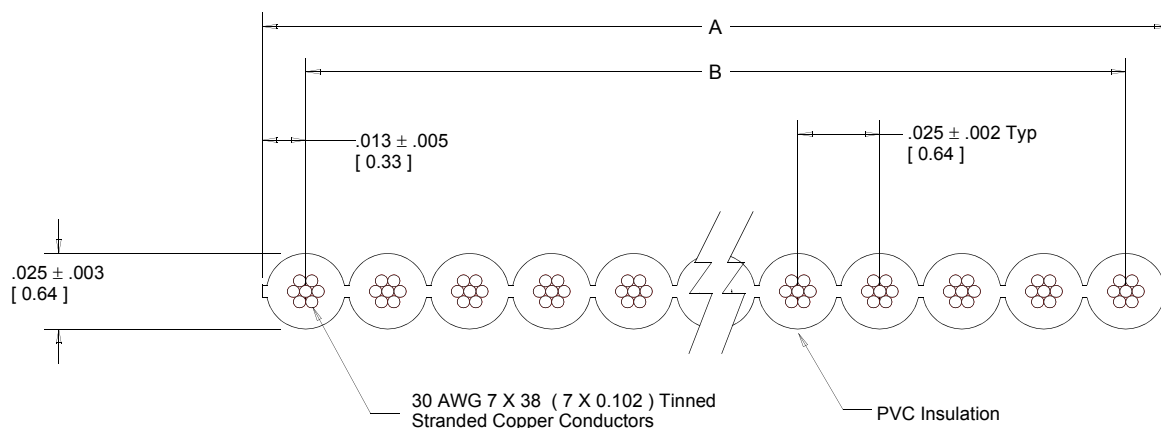
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Number of Conductors	3M Part Number	Dimension A	Dimension B
20	3754/20	0.500 ± .006 [12.70]	0.475 ± .004 [12.07]
26	3754/26	0.650 ± .006 [16.51]	0.625 ± .004 [15.88]
30	3754/30	0.750 ± .006 [19.05]	0.725 ± .006 [18.42]
32	3754/32	0.800 ± .008 [20.32]	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]



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

[] Dimensions for Reference only

Note:

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

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



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