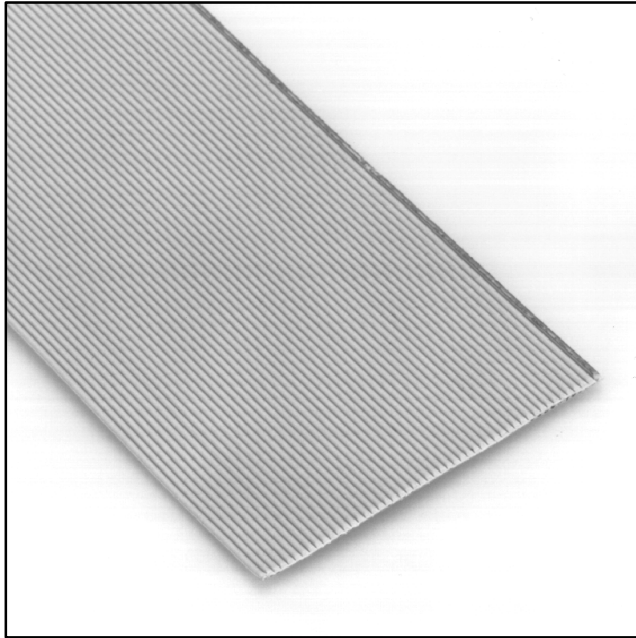


3M™ Round Conductor Flat Cable

.025" 30 AWG Stranded, TPE

3756 Series



- .025 inch wire spacing increases signal density
- TPE insulation provides excellent transmission properties
- 30 AWG stranded conductors on .025 inch wire spacing is designed for mass termination and flexibility
- Meets the SCSI-3 characteristic impedance requirements

Date Modified: May 30, 2003

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Sheet 1 of 2



Physical

Insulation

Material: Thermoplastic Elastomer (TPE)

Color: Gray

Marking: None

Canadian Option:  AWM 20297 105C 150V VW1 3M NU  AWM IA 105C 150V FT1
EU <50V

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

Electrical

Voltage Rating:	USA: 150V	Canada: 150V	EU: <50V
Insulation Resistance:	>1 x 10 ¹⁰ Ω /10ft [3m]		
	Unbalanced	Balanced	
Characteristic Impedance:	82 Ω	138 Ω	
Capacitance:	17.3 pF/ft (56.8 pF/m)	10.0 pF/ft (32.8 pF/m)	
Inductance:	12 μH/ft (0.39 μH/m)	.19 μH/ft (0.62 μH/m)	
Propagation Delay:	1.42 ns/ft (4.66 ns/m)	1.38 ns/ft (4.53 ns/m)	
Velocity of Propagation:	72%	74%	

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

Environmental

Temperature Rating: -40° C to +105° C

Flammability Rating: USA: VW-1

Canada: FT1

UL File No.: E42769, Style No.: 20297

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

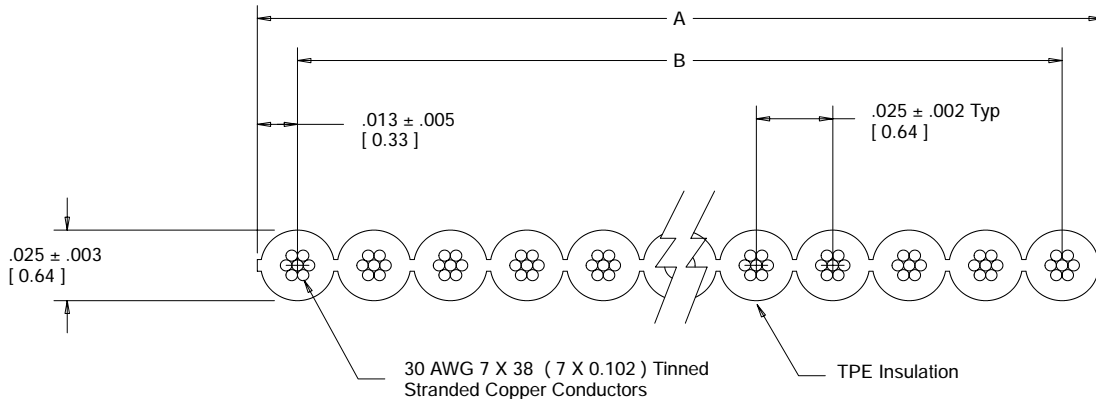
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800-225-5373

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.025" 30 AWG Stranded, TPE

3756 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
20	3756/20	0.500 ± .006 [12.70]	0.475 ± .004 [12.07]
26	3756/26	0.650 ± .006 [16.51]	0.625 ± .004 [15.88]
34	3756/34	0.850 ± .009 [21.59]	0.825 ± .006 [20.96]
36	3756/36	0.900 ± .009 [22.86]	0.875 ± .006 [22.23]
40	3756/40	1.000 ± .009 [25.40]	0.975 ± .006 [24.77]
50	3756/50	1.250 ± .009 [31.75]	1.225 ± .006 [31.12]
60	3756/60	1.500 ± .012 [38.10]	1.475 ± .009 [37.47]
68	3756/68	1.700 ± .012 [43.18]	1.675 ± .009 [42.55]
80	3756/80	2.000 ± .015 [50.80]	1.975 ± .011 [50.17]
100	3756/100	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: Blue marking on one edge of cable designates wire #1.

Ordering Information

3756/XX

Blank = Standard
C = Canadian Certified Version

Number of Conductors
(See Table)

Note: Standard lengths of 100 ft. and 300 ft. are available. Please specify when ordering.

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Sheet 2 of 2

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www.3M.com/eisd

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