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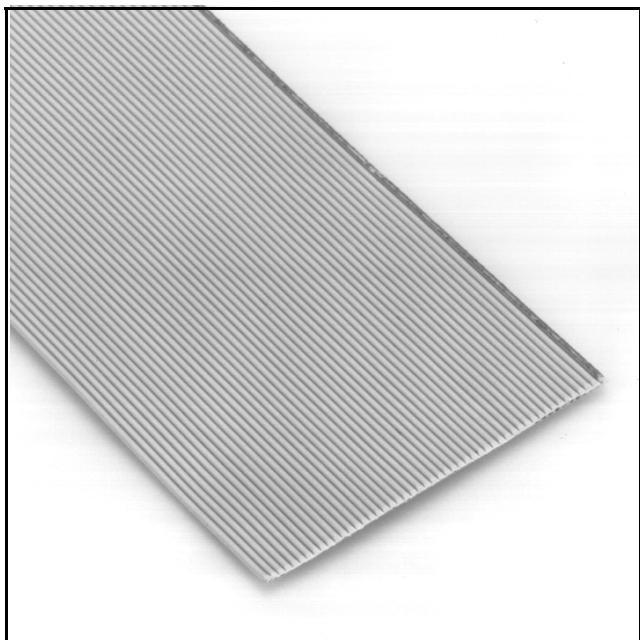
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Jameco Part Number 1577469

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
- RoHS* compliant

Date Modified: December 17, 2006

TS-0508-13

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Physical

Insulation

Material: Thermoplastic Elastomer (TPE)

Color: Gray

Marking:

Standard: None

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

Conductors: 30 AWG, 7×38 AWG [7 × ø 0.102] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 150V

Canada: 150V

EU: <50V

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

Unbalanced

Characteristic Impedance: 82 Ω

Balanced

138 Ω

Capacitance: 17.3 pF/ft [56.8 pF/m]

10.0 pF/ft [32.8 pF/m]

Inductance: 0.12 $\mu\text{H}/\text{ft}$ [0.38 $\mu\text{H}/\text{m}$]

0.19 $\mu\text{H}/\text{ft}$ [0.62 $\mu\text{H}/\text{m}$]

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

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M. Contain decaBDE. Compliant per EU Commission Decision 2005/17/EC, Annex Item 9a - Exemption for decaBDE in Polymeric Applications.

Flammability Rating: USA: VW-1 Canada: FT1

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



Interconnect Solutions

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

3M is a trademark of 3M Company.

For technical, sales or ordering information call

800-225-5373

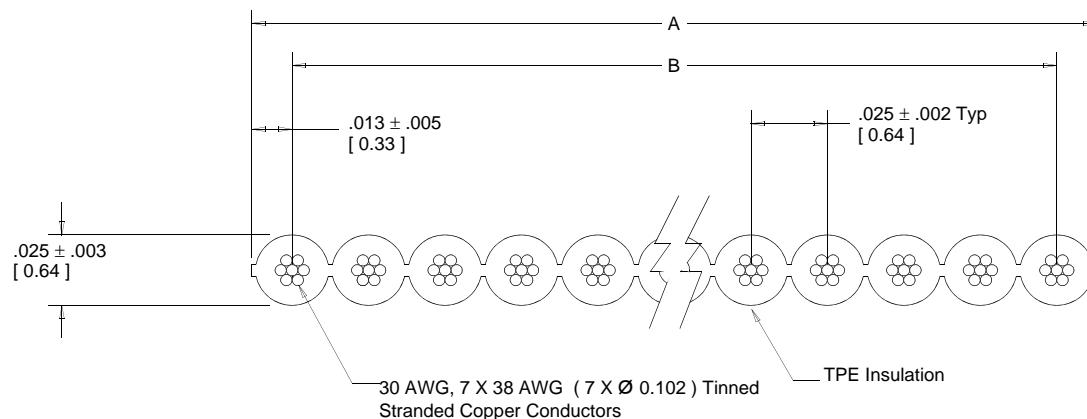
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Number of Conductors	3M Part Number	Dimension A	Dimension B
20	3756/20	$0.500 \pm .006$ [12.70]	$0.475 \pm .004$ [12.07]
26	3756/26	$0.650 \pm .006$ [16.51]	$0.625 \pm .004$ [15.88]
34	3756/34	$0.850 \pm .009$ [21.59]	$0.825 \pm .006$ [20.96]
36	3756/36	$0.900 \pm .009$ [22.86]	$0.875 \pm .006$ [22.23]
40	3756/40	$1.000 \pm .009$ [25.40]	$0.975 \pm .006$ [24.77]
50	3756/50	$1.250 \pm .009$ [31.75]	$1.225 \pm .006$ [31.12]
60	3756/60	$1.500 \pm .012$ [38.10]	$1.475 \pm .009$ [37.47]
68	3756/68	$1.700 \pm .012$ [43.18]	$1.675 \pm .009$ [42.55]
80	3756/80	$2.000 \pm .015$ [50.80]	$1.975 \pm .011$ [50.17]
100	3756/100	$2.500 \pm .015$ [63.50]	$2.475 \pm .012$ [62.87]



Inch
[mm]

Tolerance Unless Noted			
Inch	.0	.00	.000
	±.1	±.05	±.010

[] Dimensions for Reference only

Note: Blue marking on one edge of cable designates wire #1.

Ordering Information

3756/XX X00 XX

Blank = Standard
C = Canadian Certified Version

Blank = Standard
SF = Splice Free

Length of Roll in Feet
100 = 100 ft Standard
300 = 300 ft Standard

Number of Conductors
(See Table)

Note: Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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Minimum 10%
Post-Consumer Fiber

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