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3M™ Round Conductor Flat Cable .050", 3365/50 (100`)

50 conductors, 28 AWG Stranded, PVC, Standard, Gray color, 100 foot roll.

GTIN(UPC/EAN) : 0 00 54007 30538 5

3M Id : 80-6100-5998-4

Additional Information

The .050" Round Conductor Flat Cable is zippable for branching or discrete termination. Stranded wire provides flexibility and extended product life. The 28 AWG wire on .050 inch centers permits mass termination to a broad line of IDC connectors.

Characteristics

Cable Style	Flat
Capacitance -- Balanced	0 Picofarad
Capacitance -- Unbalanced	12.8 Picofarad
Conductor Material	Copper
Conductor Resistance	65 Ohm
EPC Can View	Public
EU RoHS Compliant	Yes
First Position Marking	Red
Flammability Rating -- Canada	FT1
Flammability Rating -- EU	None
Flammability Rating--USA	VW-1
Impedance -- Balanced	0 Ohm
Impedance -- Unbalanced	108 Ohm
Inductance -- Balanced	0 Microhenry
Inductance -- Unbalanced	.15 Microhenry
Insulation Material	Polyvinyl Chloride (PVC)
Jacket	No
Lower Temperature Rating	-20 Degree Celsius
Number of Conductors	50
Pitch	0.050 Inch
Plating Material	Tin
Primary Configuration	Parallel
Primary Insulation Color	Gray
Primary Insulation Material	Polyvinyl Chloride (PVC)

Propagation Delay -- Balanced	0 Nanosecond
Propagation Delay -- Unbalanced	1.40 Nanosecond
Shape	Flat
Shield	No
Stranding	7 X 36 [7 X 0.127]
UL File Number	E42769
UL Listed -- USA	None
UL Recognized -- USA	AWM Style 2651
UL Recognized-- Canada	IA
Upper Temperature Rating -- Canada	105 Degree Celsius
Upper Temperature Rating -- USA	105 Degree Celsius
Voltage Rating -- Canada	300 Volt
Voltage Rating -- EU	>0 to <50 Volt
Voltage Rating--USA	300V
Wire Gauge	28 American Wire Gauge (AWG)

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3M™ Round Conductor Flat Cable .050", 3365/50 (100`) Packaging

3M Id: 80-6100-5998-4

Minimum Order Quantity: 3.0 RLS

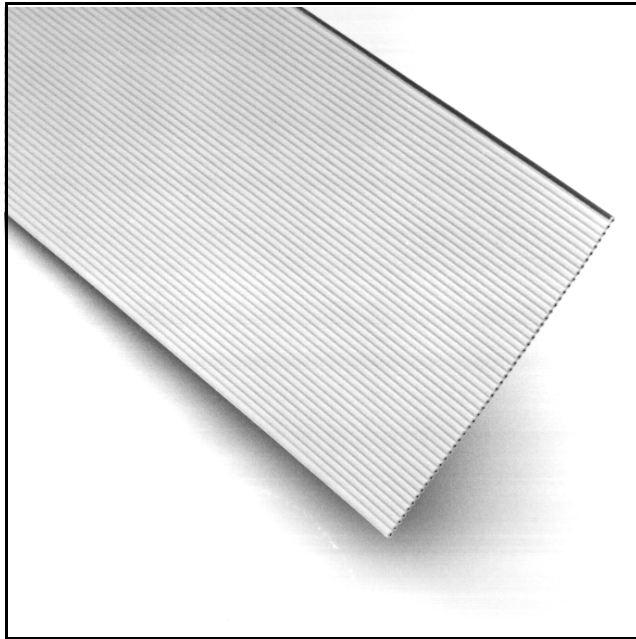
Case Quantity: 3.0 RLS

	English	Metric
Length	9.1 INCH	0.231 MTR
Width	9.1 INCH	0.231 MTR
Height	10.7 INCH	0.272 MTR
Gross Weight	19.1000 LBS	8.6636 KG

3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, PVC

3365 Series



- 28 AWG wire on .050 inch centers permits mass termination to a broad line of IDC connectors
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- Available in Gray or Black
- RoHS* compliant

Date Modified: December 12, 2006

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Physical



Insulation

Material: Polyvinyl Chloride (PVC)

Color: Gray Standard or Black (see ordering information)

Marking

Standard: None

Canadian Option:  AWM 2651 105C 300V VW1 3M NU C  AWM IA 105C 300V FT1 EU <50V

Conductors: 28 AWG, 7 × 36 [7 × ϕ 0.127] Tinned Stranded Copper (89% Conductivity)

Electrical

Voltage Rating: USA: 300V

Canada: 300V

EU: <50V

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

Unbalanced

Balanced

Characteristic Impedance: 102 Ω

172 Ω

Capacitance: 14.47 pF/ft [47.5 pF/m]

8.14 pF/ft [26.7 pF/m]

Inductance: 0.15 $\mu\text{H}/\text{ft}$ [0.49 $\mu\text{H}/\text{m}$]

0.24 $\mu\text{H}/\text{ft}$ [0.79 $\mu\text{H}/\text{m}$]

Propagation Delay: 1.47 ns/ft [4.86 ns/m]

1.4 ns/ft [4.59 ns/m]

Velocity of Propagation: 69%

73%

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

Environmental

Temperature Rating: -20°C to +105°C

Flammability Rating: USA: VW-1

Canada: FT1

"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.

UL File No.: E42769, Style No.: 2651

3M

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3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, PVC

3365 Series

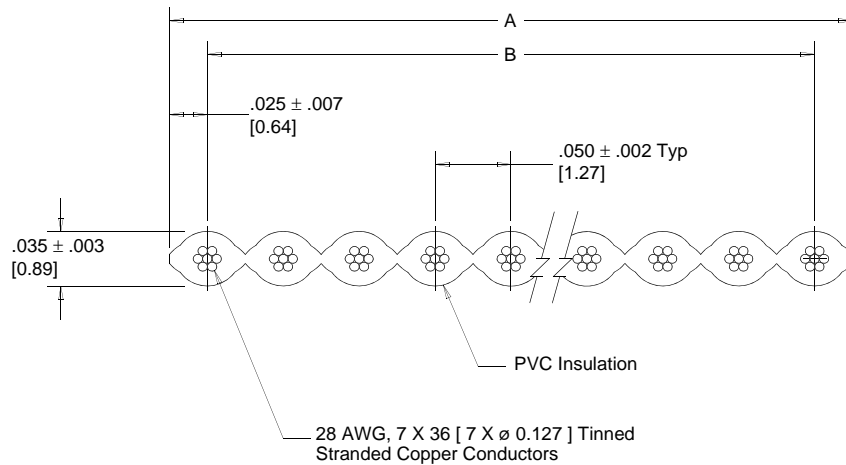


Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
inch	±.1	±.01	±.005

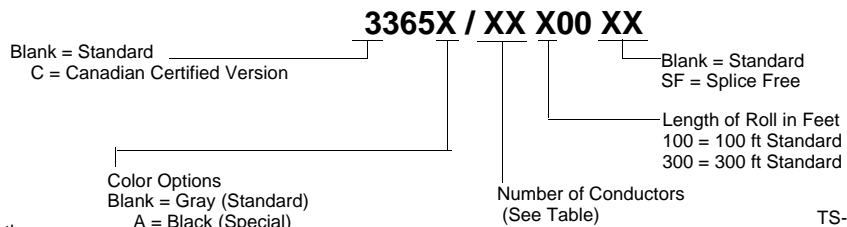
[] Dimensions for Reference Only

Number of Conductors	3M Part Number	Dimension A	Dimension B
06	3365/06	0.300 ± .010 [7.62]	0.250 ± .007 [6.35]
08	3365/08	0.400 ± .010 [10.16]	0.350 ± .007 [8.89]
09	3365/09	0.450 ± .010 [11.43]	0.400 ± .007 [10.16]
10	3365/10	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
12	3365/12	0.600 ± .010 [15.24]	0.550 ± .007 [13.97]
14	3365/14	0.700 ± .010 [17.78]	0.650 ± .007 [16.51]
15	3365/15	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
16	3365/16	0.800 ± .015 [20.32]	0.750 ± .011 [19.05]
20	3365/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	3365/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	3365/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	3365/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	3365/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	3365/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	3365/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	3365/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	3365/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
44	3365/44	2.200 ± .020 [55.88]	2.150 ± .015 [54.61]
50	3365/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	3365/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	3365/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]



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

Ordering Information



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

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