

# 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
- See Regulatory Information Appendix (RIA) for chemical compliance information (RIA E1 & C1 apply)

Date Modified: May 7, 2009

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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 × Ø 0.127 ] Tinned Stranded Copper (89% Conductivity)

## Electrical

**Voltage Rating:** USA: 300V

Canada: 300V

EU: <50V

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

**Characteristic Impedance: Unbalanced**  
102  $\Omega$

**Balanced**  
172  $\Omega$

**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

UL File No.: E42769, Style No: 2651

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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 ]

Inch  
[mm]

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

[ ] Dimensions for Reference Only



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

## Ordering Information



Note: Available in standard 100 ft and 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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