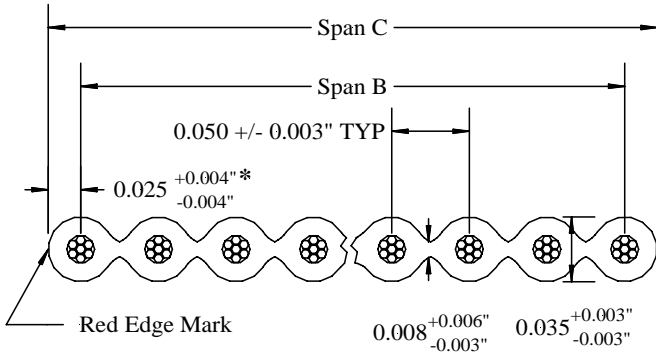


MULTI-CONDUCTOR 28 AWG 0.050" CENTER FLAT RIBBON CABLE

Flat Cable Cross-Section



*Note: Tolerance is + 0.006 / - 0.004" for 64 Conductor.

CONSTRUCTION

Single Component

Conductor: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter

Final Assembly

Core: Singles Laid Flat and Parallel (See Table 1)

Insulation/Jacket: Flame Retardant Flexible PVC, Color - Gray

Dimensions: See Table 1

Identification: Polarity Edge Mark shall cover at minimum the edge of cable to centerline of the first conductor and shall not exceed the centerline of the second conductor top and bottom, Color - Red

Print Legend: "AWM STYLE 2651 105°C 300V VW-1 MADISON CABLE (A02) CSA AWM I A 105°C 300V FT1"

TABLE 1

# of Cond	Tyco P/N		Dimensions (Inches)	
	100 ft Putup ²	500 ft Putup ³	Span B	Span C
3	TBD	4-971111-0	0.100+0.005/-0	0.150+0.010/-0.005
4	TBD	3-971111-8	0.150+0.005/-0	0.200+0.010/-0.005
6	1-57040-9	1-971111-9	0.250+0.005/-0	0.300+0.010/-0.005
8	2-57040-0	2-971111-0	0.350+0.005/-0	0.400+0.010/-0.005
9	1-57040-2	1-971111-2	0.400+0.005/-0	0.450+0.010/-0.005
10	1-57040-3	1-971111-3	0.450+0.010/-0	0.500+0.010/-0.005
12	2-57040-9	3-971111-6	0.550+0.010/-0	0.600+0.010/-0.005
14	1-57040-4	1-971111-4	0.650+0.010/-0	0.700+0.010/-0.005
15	1-57040-5	1-971111-5	0.700+0.010/-0	0.750+0.010/-0.005
16	1-57040-6	1-971111-6	0.750+0.010/-0	0.800+0.010/-0.005
18	2-57040-3	2-971111-3	0.850+0.010/-0	0.900+0.010/-0.005
20	0-57040-1	0-971111-1	0.950+0.010/-0	1.000+0.010/-0.005
24	1-57040-7	1-971111-7	1.150+0.010/-0	1.200+0.010/-0.005
25	0-57040-2	0-971111-2	1.200+0.010/-0	1.250+0.010/-0.005
26	0-57040-3	0-971111-3	1.250+0.010/-0	1.300+0.010/-0.005

28	0-57040-8	3-971111-3	1.350+0.010/-0	1.400+0.010/-0.005
30	2-57040-1	2-971111-1	1.450+0.010/-0	1.500+0.010/-0.005
34	0-57040-4	0-971111-4	1.650+0.010/-0	1.700+0.010/-0.005
36	2-57040-5	2-971111-5	1.750+0.015/-0	1.800+0.010/-0.005
37	1-57040-8	1-971111-8	1.800+0.015/-0	1.850+0.010/-0.005
40	0-57040-5	0-971111-5	1.950+0.015/-0	2.000+0.010/-0.005
44	2-57040-4	2-971111-4	2.150+0.015/-0	2.200+0.010/-0.005
50	0-57040-6	0-971111-6	2.450+0.015/-0	2.500+0.010/-0.005
60	0-57040-7	0-971111-7	2.950+0.015/-0	3.000+0.010/-0.005
64	2-57040-2	2-971111-2	3.150+0.015/-0.004	3.200+0.016/-0.005

PITCH ACCUMULATION CHART⁴

Number of Conductors	Accumulation Range
0 - 34	± 0.010"
34 - 64	± 0.015"

² Length per Reel: 100 +/- 0 ft; May Contain Separate Lengths; 20 ft Minimum per Length, Two Lengths Maximum per Reel

³ Length per Reel: 500 + 6/-0 ft Continuous

⁴ Pitch Accumulation is defined as the maximum difference between the actual accumulated pitch and the accumulated specification pitch for any group of continuous conductors.

ELECTRICAL CHARACTERISTICS

Impedance (Gnd-Sig-Gnd): 105 Ohms Nominal @ TDR

Capacitance: 13.5 pF/ft Maximum

Time Delay: 1.45 ns/ft Maximum

Insulation Resistance: 10 Gigaohms/10 ft

Crosstalk (5 ns rise-time on 10 ft sample):

Near-End: 3.0% Maximum

Far-End: 4.0% Maximum

Conductor DC Resistance: 0.064 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Listing: AWM Style 2651 105°C 300 Volts VW-1

CSA Certification: AWM I A 105°C 300 Volts FT1

RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003

REVISION HISTORY

2	05/03/01	RL	Added part number
3	01/28/03	RL	Added part number
4	08/14/04	EP	Revised P/N table and legend
5	03/28/06	RL	Added part number
6	01/02/08	DC	Added part number
7	06/04/08	DC	Revised Mfg Location Code, Removed Footnote

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Spec Number: 100-4703

Part Number: See Table 1

Customer: AMP

Customer #: 971111

Prepared By: D.M. Card

Reviewed By: T. Grzysiewicz

B. Morissette

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Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. Tyco Electronics reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.