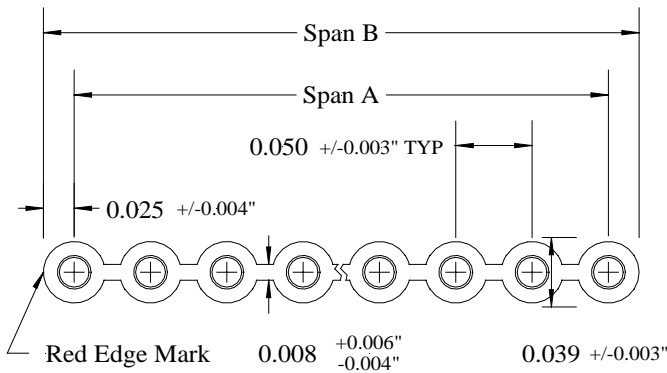


MULTI-CONDUCTOR 26 AWG 0.050" CENTER LEAD-FREE PVC FLAT RIBBON CABLE

Flat Cable Cross-Section



CONSTRUCTION

Single Component

Conductor: 26 AWG 7/34 Tin Plated Copper, 0.019 Inch Diameter

Final Assembly

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

Insulation/Jacket: 0.010 Inches Nominal of PVC, Color - Gray

Dimensions: See Table 1 and Cross-Sectional Drawing

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

{Mfg Location Code}¹ CSA AWM I A 105°C 300V FT1"

¹ Mfg. Location Code is an optional code that is inserted for manufacturing location other than Worcester.

TABLE 1

# of Cond	Tyco P/N	Dimensions (Inches)	
	500 ft Putup ²	Span A	Span B
4	1-57034-9	0.150 ± 0.010	0.200 +0.010/-0.005
6	0-57034-1	0.250 ± 0.010	0.300 +0.010/-0.005
8	2-57034-7	0.350 ± 0.010	0.400 +0.010/-0.005
9	0-57034-2	0.400 ± 0.010	0.450 +0.010/-0.005
10	0-57034-3	0.450 ± 0.010	0.500 +0.010/-0.005
12	2-57034-8	0.550 ± 0.010	0.600 +0.010/-0.005
14	0-57034-4	0.650 ± 0.010	0.700 +0.010/-0.005
15	0-57034-5	0.700 ± 0.010	0.750 +0.010/-0.005
16	0-57034-6	0.750 ± 0.010	0.800 +0.010/-0.005
18	3-57034-0	0.850 ± 0.010	0.900 +0.010/-0.005
20	0-57034-7	0.950 ± 0.010	1.000 +0.010/-0.005
24	0-57034-8	1.150 ± 0.010	1.200 +0.010/-0.005

25	0-57034-9	1.200 ± 0.010	1.250 +0.010/-0.005
26	1-57034-0	1.250 ± 0.010	1.300 +0.010/-0.005
30	2-57034-9	1.450 ± 0.010	1.500 +0.010/-0.005
34	1-57034-1	1.650 ± 0.010	1.700 +0.010/-0.005
36	1-57034-2	1.750 ± 0.015	1.800 +0.010/-0.005
37	1-57034-3	1.800 ± 0.015	1.850 +0.010/-0.005
40	1-57034-4	1.950 ± 0.015	2.000 +0.010/-0.005
44	2-57034-6	2.150 ± 0.015	2.200 +0.010/-0.005
50	1-57034-5	2.450 ± 0.015	2.500 +0.010/-0.005
60	1-57034-6	2.950 ± 0.015	3.000 +0.010/-0.005
64	2-57034-5	3.150 ± 0.015	3.200 +0.010/-0.005

PITCH ACCUMULATION CHART³

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

² Length per Reel: 500 +/- 0 ft; May Contain Separate Lengths; 20 ft Minimum per Length, Two Lengths Maximum per Reel

³ 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 CHARACTERISTICS⁴

Impedance: 90 Ohms Nominal @ TDR

Capacitance: 18.0 pF/ft Nominal @ 1 MHz

Time Delay: 1.44 ns/ft Maximum

Insulation Resistance: 10 Gigaohms/10 ft

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

Near-End: 4.0% Maximum

Far-End: 6.0% Maximum

Conductor DC Resistance: 0.038 Ohms/ft Nominal @ 20°C

⁴ Electricals measured using G-S-G, all grounds commoned.

SAFETY CERTIFICATION

UL Recognized: 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



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Spec Number: 100-7077

Part Number: See Table 1

Customer:

Customer #:

REVISION HISTORY

1	08/12/02	EP	Initial Release
2	08/19/04	EP	Revised P/N Table; Added Legend
Prepared By:	E. Piekieniak		Page
Reviewed By:	M. Dupuis	N. Allen	1 of 1