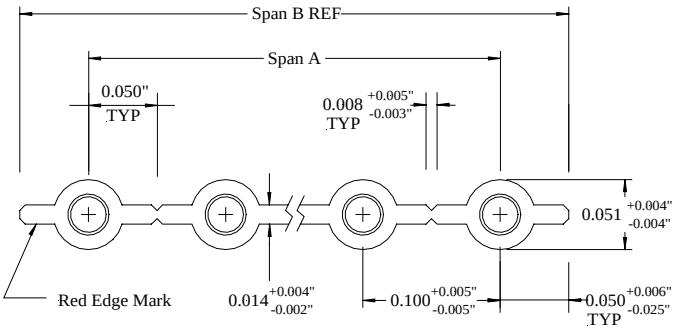
MULTI-CONDUCTOR 22 AWG 0.100" CENTER LEAD-FREE PVC FLAT RIBBON CABLE

Flat Cable Cross-Section



CONSTRUCTION

Single Component
Conductor: 22 AWG 7/30 Tin Plated Copper, 0.030 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 the centerline of the first conductor and shall not exceed the notch between conductors 1 and 2, 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 then Worcester.

TABLE 1 – PART NUMBERS & DIMENSIONS

# of Cond	Tyco P/N 250 ft Putup[2]	Dimensions (Inches) Span A	Span B (Nominal)
2	0-57748-2	0.100 ± 0.005	0.200
3	0-57748-3	0.200 ± 0.005	0.300
4	0-57748-4	0.300 ± 0.005	0.400
5	0-57748-5	0.400 ± 0.006	0.500
6	0-57748-6	0.500 ± 0.006	0.600
7	0-57748-7	0.600 ± 0.007	0.700
8	0-57748-8	0.700 ± 0.007	0.800
9	0-57748-9	0.800 ± 0.007	0.900
10	1-57748-0	0.900 ± 0.007	1.000
11	1-57748-1	1.000 ± 0.007	1.100
12	1-57748-2	1.100 ± 0.008	1.200
13	1-57748-3	1.200 ± 0.008	1.300
14	1-57748-4	1.300 ± 0.008	1.400
15	1-57748-5	1.400 ± 0.008	1.500
16	1-57748-6	1.500 ± 0.008	1.600
17	1-57748-7	1.600 ± 0.009	1.700
18	1-57748-8	1.700 ± 0.009	1.800
19	1-57748-9	1.800 ± 0.009	1.900
20	2-57748-0	1.900 ± 0.009	2.000
21	2-57748-1	2.000 ± 0.009	2.100
22	2-57748-2	2.100 ± 0.010	2.200
23	2-57748-3	2.200 ± 0.010	2.300
24	2-57748-4	2.300 ± 0.010	2.400
25	2-57748-5	2.400 ± 0.010	2.500
26	2-57748-6	2.500 ± 0.010	2.600
27	2-57748-7	2.600 ± 0.010	2.700
28	2-57748-8	2.700 ± 0.010	2.800

PITCH ACCUMULATION CHART[3]

Number of Conductors	Accumulation Range
2 – 4	± 0.005"
5 – 6	± 0.006"
7 – 11	± 0.007"
12 – 16	± 0.008"
17 – 21	± 0.009"
22 – 28	± 0.010"

[2] Length per Reel: 250 +3/-0 ft; May Contain Separate Lengths; 20 ft Mininum 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 CHARACTERISTICS

Conductor DC Resistance: 0.015 Ohms/ft Nominal @ 20°C

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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REVISION HISTORY

1	08/12/02	EP	Initial Release
2	08/19/04	EP	Revised P/N Table; Added Legend

Spec Number:	**100-7178**				
Part Number:	**See Table 1**				
Customer:		**Prepared By:**	E. Piekielniak		Page 1 of 1
Customer #:		**Reviewed By:**	M. Dupuis	N. Allen	