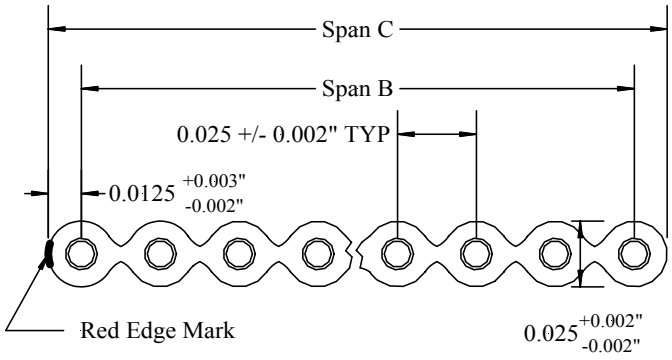
MULTI-CONDUCTOR 30 AWG 0.025" CENTER FLAT RIBBON CABLE

Flat Cable Cross-Section



CONSTRUCTION

Single Component
Conductor: 30 AWG Solid Bare Copper, 0.010 Inch Diameter

Final Assembly
Core: Multi-Conductors Laid Flat and Parallel (See Table 1)
Insulation/Jacket: 0.0075 Inches of PVC, Color - Gray
Minor Diameter: 0.025 Inches Nominal
Dimensions: See Table 1
Identification: Polarity Edge Mark shall cover at minimum the edge of cable to the centerline of the first conductor and shall not exceed the centerline of the second conductor top and bottom, Color – Red
Print Legend (Black Ink): "AWM STYLE 2678 105°C 150V VW-1 MADISON CABLE {Mfg Location Code}[1] CSA AWM I A 105°C 300V FT1 RoHS COMPLIANT"

[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		Dimensions (Inches)	
	100 ft Putup[2]	500 ft Putup[3]	Span B	Span C (Nominal)
20	1-57013-3	0-57013-1	0.475 ± 0.005	0.500
24	1-57013-4	0-57013-8	0.575 ± 0.005	0.600
26	2-57013-5	2-57013-6	0.625 ± 0.005	0.650
30	1-57013-5	0-57013-6	0.725 ± 0.005	0.750
34	4-57013-9	5-57013-0	0.825 ± 0.006	0.850
40	1-57013-7	0-57013-2	0.975 ± 0.006	1.000
50	1-57013-9	1-57013-0	1.225 ± 0.006	1.250
60	2-57013-0	0-57013-3	1.475 ± 0.006	1.500
68	2-57013-1	1-57013-1	1.675 ± 0.007	1.700
80	2-57013-3	0-57013-4	1.975 ± 0.007	2.000
100	2-57013-4	0-57013-5	2.475 ± 0.007	2.500

PITCH ACCUMULATION CHART[4]

Number of Conductors	Accumulation Range
0 – 68	+ 0.005 / - 0.003
34 – 64	+ 0.007 / - 0.003

[2] Length per Reel: 100 ft; May Contain Separate Lengths; 20 ft Mininum per Length
[3] Length per Reel: 500 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[5]

Impedance: 80 Ohms Nominal @ TDR
Capacitance: 23.0 pF/ft Nominal @ 1 KHz
Time Delay: 1.55 ns/ft Nominal
Insulation Resistance: 10 GigOhms-10 ft Minimum
Crosstalk (5 ns rise-time on 10 ft sample):
Near-End: 4.0% Maximum
Far-End: 6.0% Maximum
Conductor DC Resistance: 0.11 Ohms/ft Nominal @ 20°C

[5] Electricals measured using G-S-G, all grounds commoned.

SAFETY CERTIFICATION

UL Listing: AWM Style 2678 105°C 150 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	04/25/02	EP	Initial Release
2	08/19/04	EP	Revised P/N Table, Legend
3	05/29/08	HA	Added P/N's to Table 1

Spec Number:	**100-4136**
Part Number:	**See Table 1**
Customer:	
Customer #:	

Prepared By:	H. Abusamra		**Page**
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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.