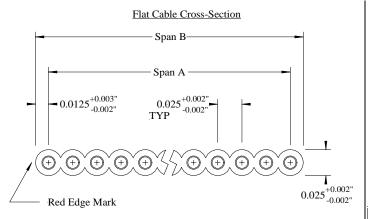
68 CONDUCTOR 30 AWG 0.025" CENTER LEAD-FREE TPE FLAT RIBBON CABLE



Construction

Single Component

Conductor: 30 AWG Solid Bare Copper, 0.010 Inch Diameter

Final Assembly

Core: 68 Singles Laid Flat and Parallel (See Table 1)

Insulation/Jacket: 0.0075 Inches Nominal of Thermoplastic Elastomer, Color -

Natural

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 centerline of the third conductor top and bottom, Color – Red

Print Legend: 9.1 AWM STYLE 20297 105°C 150V VW-1 MADISON CABLE {Mfg Location Code}¹ CSA AWM I A 105°C 150V FT1"

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

Table 1 — Part Numbers & Dimensions										
# of	Tyc	o P/N	Dimensions (Inches)							
Cond	100 ft Putup ²	300 ft Putup ³	Span A	Span B						
68	2-219054-1	1-219054-1	1.675 ± 0.006	1.700 ± 0.006						

 $^{^2}$ Length per Reel: 100 +3/-0 ft; May Contain Separate Lengths; 20 ft Mininum per Length, Two Lengths Maximum per Reel

ELECTRICAL CHARACTERISTICS⁴

Impedance: 90 Ohms Nominal @TDR Capacitance: 15.3 pF/ft Nominal @ 1 MHz

Time Delay: 1.38 ns/ft Nominal

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

Near-End: 2.4% Maximum **Far-End**: 3.0% Maximum

Conductor DC Resistance: 0.11 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Recognized: AWM Style 20297 105°C 150 Volts VW-1

CSA Certification: AWM I A 105°C 150 Volts FT1

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

O Mariana de La turca			Revision History						
MADISON Cable Electronics		1	08/12/02	EP	Initial Release				
I'IADIOUN OUDIC	ectronics	2	08/19/04	EP	Revised P/N Tab	ole; Added Legend			
125 Goddard Memorial Drive • Worcester, MA 01603 USA									
Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (5	(08) 752-4230								
Spec Number: 100-7444									
Part Number: See Table 1									
Customer:		Prepared By:		E. Pie	kielniak		Page		
Customer #:		Revie	ewed By:	M. Dı	ıpuis	N. Allen	1 of 1		

³ Length per Reel: 300 +3/-0 ft Continuous

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