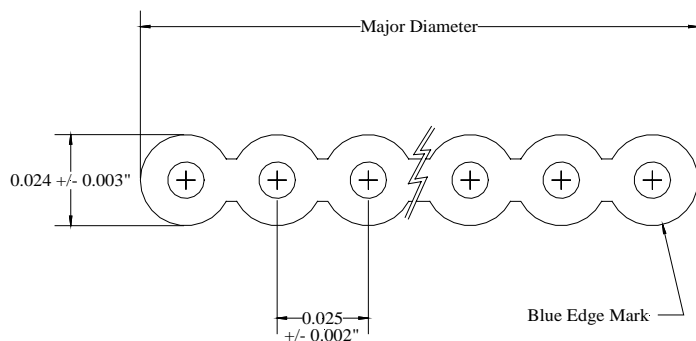


## MULTI-CONDUCTOR 30 AWG 0.025" CENTER FLAT CABLE



### CONSTRUCTION

#### Single Component

**Conductor:** 30 AWG 7/38 Silver Plated Copper, 0.012 Inch Diameter

#### Final Assembly

**Core:** Multi-conductors Laid Flat and Parallel

**Insulation<sup>1</sup>:** 0.006 Inches of FEP, Color – Opaque

**Minor Diameter:** 0.024 ± 0.003 Inches

**Major Diameter:** See Table 1

**Identification:** Polarity Edge Mark shall cover a minimum of one end conductor,  
Color – Dark Blue

<sup>1</sup> Flat construction with common overall insulation

**TABLE 1 – P/N & CONSTRUCTION**

Madison Part Number	Tyco Part Number	No. of Conductors	Major Diameter (Inches)
102BY00001	0-1284058-1	10	0.250
122BY00001	0-1284535-1	12	0.300
162BY00001	0-1284059-1	16	0.400
172BY00001	0-1739003-1	17	0.425
202BY00010	0-1283894-1	20	0.500
242BY00002	0-1284060-1	24	0.600
262BY00002	0-1284403-1	26	0.650
302BY00001	0-1284061-1	30	0.750
342BY00001	0-1284062-1	34	0.850

362BY00001	0-1284063-1	36	0.900
402BY00010	0-1284064-1	40	1.000
442BY00001	0-1284065-1	44	1.100
502BY00011	5-1219763-0	50	1.250
602BY00001	0-1284066-1	60	1.500
642BY00001	0-1284067-1	64	1.600
682BY00011	0-1283896-1	68	1.700
802BY00011	0-1284068-1	80	2.000
D02BY00001	0-1283897-1	100	2.500
DT2BY00001	0-1284069-1	120	3.000

### ELECTRICAL CHARACTERISTICS<sup>2</sup>

**Impedance:** 85 Ohms Nominal @ TDR

**Capacitance:** 15.5 pF/ft Nominal

**Inductance:** 0.11 µH Nominal

**Near-End Crosstalk:** 2.5% Nominal, 5 ns Rise-Time

**Far-End Crosstalk:** 2.1% Nominal, 5 ns Rise-Time

**Time Delay:** 1.30 ns/ft Nominal

**Insulation Resistance:** 500 Megohms-1000 ft

**Dielectric Withstand:** 2000 Volts Rms

**Conductor DC Resistance:** 0.097 Ohms/ft Maximum @ 20°C

<sup>2</sup> Electricals measured using G-S-G, all grounds commoned.

### SAFETY CERTIFICATION

**UL Recognized:** AWM Style 20726 150°C 150 Volts

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



125 Goddard Memorial Drive • Worcester, MA 01603 USA  
Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (508) 752-4230

**Spec Number:** 100-4428

**Part Number:** See Table 1

**Customer:**

**Customer #:**

#### REVISION HISTORY

4	06/08/01	EP	Added Madison & Tyco P/N's
5	03/13/02	EP	Added 26 Position P/N
6	04/11/02	RL	Revised Identification
7	08/05/02	EP	Added 12 Position P/N
8	08/06/03	HA	Added 17 Position P/N to Table 1
9	09/24/04	EP	Revised P/N's

**Prepared By:** E. Piekalniak

**Reviewed By:** M. Dupuis

N. Allen

**Page**

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