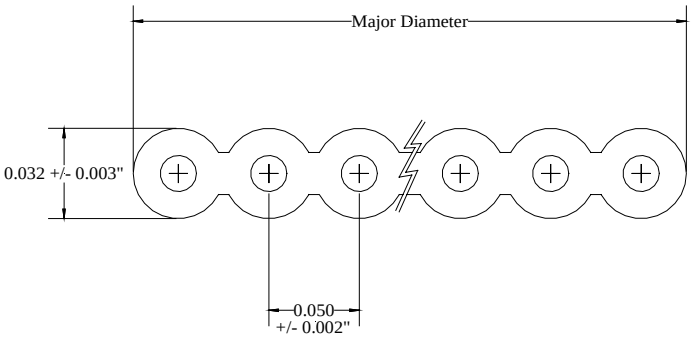
MULTI-CONDUCTOR 26 AWG 0.050" CENTER FLAT CABLE



CONSTRUCTION

Single Component

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

Final Assembly

Core: Multi-conductors Laid Flat and Parallel

Insulation[1]: 0.0065 Inches of FEP, Color – Green

Minor Diameter: 0.032 ± 0.003 Inches

Major Diameter: See Table 1

Identification: None

[1] Flat construction with common overall insulation

TABLE 1 – P/N & CONSTRUCTION

Madison Part Number	Tyco Part Number	No. of Conductors	Major Diameter (Inches)
022EY00001	0-1284042-1	2	0.100
092EY00001	0-1284043-1	9	0.450
102EY00002	0-1284044-1	10	0.500
122EY00001	0-1284045-1	12	0.600
142EY00001	0-1284046-1	14	0.700
152EY00001	0-1284047-1	15	0.750
162EY00001	0-1284048-1	16	0.800
202EY00001	0-1284049-1	20	1.000
242EY00001	0-1284050-1	24	1.200
252EY00001	0-1284051-1	25	1.250
262EY00001	0-1284052-1	26	1.300
302EY00001	0-1284053-1	30	1.500
322EY00001	0-1284054-1	32	1.600
342EY00001	0-1284055-1	34	1.700
402EY00001	0-1284056-1	40	2.000
502EY00003	0-1284057-1	50	2.500
642EY00002	0-1284031-1	64	3.200

ELECTRICAL CHARACTERISTICS[2]

Impedance: 100 Ohms Nominal @ TDR

Capacitance: 11.5 pF/ft Nominal

Inductance: 0.13 µH Nominal

Near-End Crosstalk: 2.8% Nominal, 5 ns Rise-Time, 10 MHz Pulse

Far-End Crosstalk: 2.8% Nominal, 5 ns Rise-Time, 10 MHz Pulse

Time Delay: 1.22 ns/ft Nominal

Insulation Resistance: 500 Megohms-1000 ft

Dielectric Withstand: 2000 Volts RMS

Conductor DC Resistance: 0.039 Ohms/ft Maximum @ 20°C

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

SAFETY CERTIFICATION

UL Recognized: AWM Style 20424 200°C 300 Volts

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

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

Spec Number:	**100-5021**
Part Number:	**See Table 1**
Customer:	
Customer #:	

REVISION HISTORY

1	05/23/01	EP	Initial Release
2	06/08/01	EP	Added Madison & Tyco P/N's
3	09/24/04	EP	Revised P/N's

Prepared By:	E. Piekielniak		**Page** 1 of 1
Reviewed By:	M. Dupuis	N. Allen	