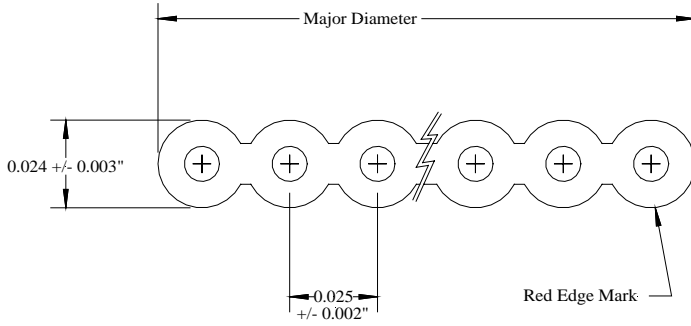


MULTI-CONDUCTOR 32 AWG 0.025" CENTER FLAT CABLE



CONSTRUCTION

Single Component

Conductor: 32 AWG 7/40 Silver Plated Copper, 0.0093 Inch Diameter

Final Assembly

Core: Multi-conductors Laid Flat and Parallel

Insulation¹: 0.0075 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 – Red

¹ Flat construction with common overall insulation

TABLE 1 – P/N & CONSTRUCTION

Madison Part Number	Tyco Part Number	No. of Conductors	Major Diameter (Inches)
102AY00001	0-1284085-1	10	0.250
162AY00001	0-1284086-1	16	0.400
202AY00001	0-1284087-1	20	0.500
242AY00001	0-1284088-1	24	0.600
302AY00001	0-1284089-1	30	0.750
342AY00001	0-1284090-1	34	0.850
362AY00001	0-1284091-1	36	0.900
402AY00002	0-1284092-1	40	1.000
442AY00001	0-1284093-1	44	1.100
502AY00002	0-1284094-1	50	1.250

602AY00001	0-1284095-1	60	1.500
642AY000001	0-1284096-1	64	1.600
682AY00001	0-1284097-1	68	1.700
802AY00001	0-1284098-1	80	2.000
D02AY00001	0-1284099-1	100	2.500
DT2AY00001	0-1284100-1	120	3.000

ELECTRICAL CHARACTERISTICS²

Impedance: 95 Ohms Nominal @ TDR

Capacitance: 13.5 pF/ft Nominal

Inductance: 0.12 µH Nominal

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

Far-End Crosstalk: 2.0% 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: 0.17 Ohms/ft Maximum @ 20°C

² 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: 100-4952

Part Number: See Table 1

Customer:

Customer #:

REVISION HISTORY

1	05/15/01	KA	Initial Release
2	06/08/01	EP	Added Madison & Tyco P/N's
3	04/11/02	RL	Revised Identification
4	09/24/04	EP	Revised P/N's

Prepared By: E. Piekieniak

Reviewed By: M. Dupuis

N. Allen

Page

1 of 1