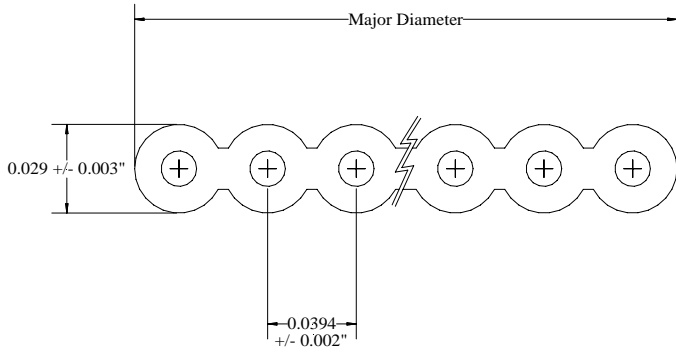


MULTI-CONDUCTOR 28 AWG 1 MM CENTER FLAT CABLE



ELECTRICAL CHARACTERISTICS²

Impedance: 100 Ohms Nominal @ TDR
Capacitance: 12 pF/ft [39 pF/m] Nominal
Inductance: 0.12 µH Nominal
Near-End Crosstalk: 2.8% Nominal, 5 ns Rise-Time
Far-End Crosstalk: 2.5% Nominal, 5 ns Rise-Time
Time Delay: 1.21 ns/ft Nominal
Insulation Resistance: 500 Megohms-1000 ft
Dielectric Withstand: 2000 Volts RMS
Conductor DC Resistance: 0.062 Ohms/ft Maximum @ 20°C

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

CONSTRUCTION

Single Component

Conductor: 28 AWG 7/36 Silver Plated Copper, 0.015 Inch [0.38 mm] Diameter

Final Assembly

Core: Multi-conductors Laid Flat and Parallel

Insulation¹: 0.007 Inches [0.19 mm] of FEP, Color – Blue

Minor Diameter: 0.029 ± 0.003 Inches [0.74 ± 0.08 mm]

Major Diameter: See Table 1

Identification: None

¹ Flat construction with common overall insulation.

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

TABLE 1 – P/N & CONSTRUCTION

Madison Part Number	Tyco Part Number	No. of Conductors	Major Diameter (Inches)
042DY00001	4-1899507-2	4	0.158
102DY00017	0-1284101-1	10	0.394
162DY00017	4-1899454-2	16	0.630
202DY00016	0-1284102-1	20	0.788
302DY00013	3-0956233-0	30	1.182
402DY00017	4-0956233-0	40	1.576
442DY00011	0-1284324-1	44	1.693
502DY00015	5-0956233-0	50	1.970
802DY00001	0-1284106-1	80	3.152

REVISION HISTORY

3	10/30/01	EP	Removed Identification Marking
4	11/30/01	EP	Revised Tyco P/N for 40 & 50 pos.
5	12/21/01	EP	Added P/N for 44 pos.
6	09/24/04	EP	Revised P/N's
7	07/21/08	RL	Added 16/C count
8	02/05/09	RL	Added 4/C count



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 Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (508) 752-4230

Spec Number: 100-5109

Part Number: See Table 1

Customer:

Customer #:

Prepared By: R. Lemos

Reviewed By: T. Grzysiewicz

B. Morissette

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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.