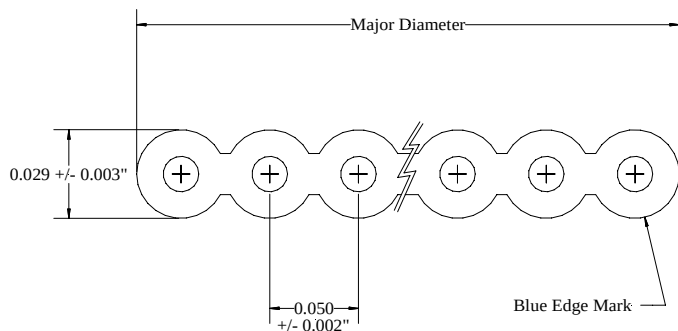


# MULTI-CONDUCTOR 28 AWG 0.050" CENTER FLAT CABLE



|            |    |       |
|------------|----|-------|
| 322DY00001 | 32 | 1.600 |
| 342DY00013 | 34 | 1.700 |
| 402DY00016 | 40 | 2.000 |
| 502DY00014 | 50 | 2.500 |
| 642DY00012 | 64 | 3.200 |

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

**Impedance:** 115 Ohms Nominal @ TDR  
**Capacitance:** 10 pF/ft Nominal  
**Inductance:** 0.14 µH Nominal  
**Near-End Crosstalk:** 3.0% Nominal, 5 ns Rise-Time  
**Far-End Crosstalk:** 2.8% 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:** 0.065 Ohms/ft Maximum @ 20°C

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

## CONSTRUCTION

### Single Component

**Conductor:** 28 AWG 7/36 Silver Plated Copper, 0.015 Inch Diameter

### Final Assembly

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

**Insulation<sup>1</sup>:** 0.007 Inches of FEP, Color – Light Blue

**Minor Diameter:** 0.029 ± 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

## 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 | No. of Conductors | Major Diameter (Inches) |
|---------------------|-------------------|-------------------------|
| 022DY00001          | 2                 | 0.100                   |
| 062DY00001          | 6                 | 0.300                   |
| 082DY00001          | 8                 | 0.400                   |
| 092DY00001          | 9                 | 0.450                   |
| 102DY00018          | 10                | 0.500                   |
| 122DY00001          | 12                | 0.600                   |
| 142DY00012          | 14                | 0.700                   |
| 152DY00001          | 15                | 0.750                   |
| 162DY00011          | 16                | 0.800                   |
| 202DY00015          | 20                | 1.000                   |
| 242DY00011          | 24                | 1.200                   |
| 252DY00001          | 25                | 1.250                   |
| 262DY00013          | 26                | 1.300                   |
| 302DY00012          | 30                | 1.500                   |

## REVISION HISTORY

|   |          |    |                                          |
|---|----------|----|------------------------------------------|
| 4 | 06/08/01 | EP | Added Madison & Tyco P/N's               |
| 5 | 04/09/02 | RL | Revised Identification                   |
| 6 | 08/20/04 | EP | Revised P/N's                            |
| 7 | 10/27/05 | EP | Added 8C P/N; Removed Tyco P/N Reference |
| 8 | 03/24/06 | HA | Added 6C P/N                             |
| 9 | 03/19/09 | HA | Revised 10/C part number                 |

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**Spec Number:** 100-4673

**Part Number:** See Table 1

**Customer:**

**Customer #:**

**Prepared By:** H. Abusamra

**Reviewed By:** B. Harvie

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.