



**+** WIRE AND CABLE  
RIBBON & FLAT CABLE



✓ Active

TE CONNECTIVITY (TE)

# 171-50G100M=50P 28A

MADISON CABLE | Ribbon Cable - PVC

1-1437358-2

TE Internal Number: 1-1437358-2

Alias ID: 171-50G100M

EU RoHS Compliant

EU ELV Compliant

**Number of Conductors** 50

**Shielded** No

**Insulation Material** PVC

**Operating Temperature Range (°C)** -20 – 105

**Length** 100 m [ 328 ft ]

**↓** **PRODUCT DRAWING**  
English

## DOCUMENTATION

Product Drawings

### FLAT CABLE 28 AWG STRANDED PVC I

PDF

English

## FEATURES

Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

**Shielded** No

**Product Classification** Cable - Flat Ribbon

**Wire/Cable Type** Ribbon Cable

**Product Type** Cable

**Product Category** Ribbon Cable

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#### Configuration Features

**Number of Conductors** 50

**Number of Strands** 7

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#### Electrical Characteristics

**Capacitance** 46 pF/m [ 46 pF/ft ]

**Impedance ( $\Omega$ )** 93

**Voltage Rating (V)** 300

**Current Rating (A)** 2

**Propagation Delay** 4.53 ns/m

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#### Signal Characteristics

**Cross Talk (Near End) (%)** 5

**Cross Talk (Far End) (%)** 6.7

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#### Body Features

**Jacket Material** PVC

**Insulation Material** PVC

**Jacket Color** Blue

**Conductor Color** Blue

**Conductor Material** Tinned Copper

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#### Housing Features

**Centerline** 1.27 mm [ .05 in ]

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#### Dimensions

**Length** 100 m [ 328 ft ]

**Width** 63.5 mm [ 2.5 in ]

**Height** .91 mm [ .036 in ]

**Outside Conductor Spacing** 62.23 mm [ 2.45 in ]

**Wire Size (AWG)** 28

**Wire Size (CMA)** 168

**Wire Size (mm<sup>2</sup>)** .08

**Strand Size (AWG)** 36

**Span** 62.23 mm [ 2.5 in ]

**Cable Diameter (Major)** 63.5 mm [ 2.5 in ]

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#### Usage Conditions

**Operating Temperature Range (°C)** -20 – 105

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#### Industry Standards

**UL Listing** AWM Style 2651

**Agency/Standard** UL

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Packaging Features

**Packaging Quantity** 100 m [ 328.1 ft ]

**Packaging Method** Reel

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**PRODUCT COMPLIANCE**



Statement of Compliance

**Statement of Compliance**

PDF

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