



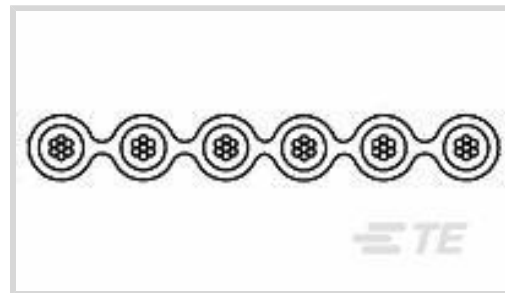
MADISON CABLE

TE Internal #: 9-1437356-2

TE Internal Description: 171-20G100M=20P 28A

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Wire & Cable > Ribbon & Flat Cable



Number of Conductors: **20**

Shielded: **No**

Wire & Cable Insulation Material: **PVC**

Operating Temperature Range: **-20 – 105 °C**

Cable Length: **100 m [328 ft]**

Features

Product Type Features

Product Category	Ribbon Cable
Product Type	Cable
Cable Type	Ribbon Cable
Wire/Cable Type	Ribbon Cable
Product Classification	Cable - Flat Ribbon

Configuration Features

Number of Conductors	20
Number of Strands	7

Electrical Characteristics

Propagation Delay	4.53 ns/m
Current Rating	2 A
Capacitance	46 pF/m[46 pF/ft]
Impedance	100 Ω
Voltage Rating	300 V

Signal Characteristics

Cross Talk (Far End)	6.7 %
Cross Talk (Near End)	5 %

Body Features

Jacket Color	Blue
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Jacket Material	PVC
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Wire & Cable Insulation Material	PVC
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Conductor Insulation Color	Blue
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Conductor Material	Tinned Copper
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Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Dimensions

Cable Insulation Height	.91 mm[.036 in]
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Cable Insulation Width	25.4 mm[1 in]
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Cable Length	100 m[328 ft]
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Wire Size	.08 mm ²
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Strand Size	36 AWG
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Usage Conditions

Operating Temperature Range	-20 – 105 °C
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Operation/Application

Shielded	No
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Industry Standards

Agency/Standard	UL
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UL Listing	AWM Style 2651
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Packaging Features

Packaging Method	Reel
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Packaging Quantity	100 m[328.1 ft]
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Documents

Product Drawings

[171-20G100M=20P 28A](#)

English