

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

49153A Molded Cable Assemblies - DIN Cable Assembly



For more Information
please call

1-800-Belden1



General Description:

5-position shielded DIN, used where a shielded conductor is desired and as a low cost alternative to a D-Sub, PVC insulation, foil plus braid shield, straight handle, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
5	26	19x38	TC - Tinned Copper	.020

Total Number of Conductors: 5

Number of Pins: 5

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.014

Connector Characteristics

Connector Characteristic (not terminated) Drain Wire Solder Dip: .25 +/- .125

Connector Characteristics (not Terminated) Jacket Removal Dimension: 1 +/- .125

Connector Characteristics - First End # of Connector Contacts/positions: 5

Connector Characteristics - First End Connector Gender: Male

Connector Characteristics - First End Connector Shielding Type: Metal Backshell

Connector Characteristics - First End Connector Type: DIN

Connector Characteristics - First End Overmold Color: Black

Connector Characteristics - First End Overmold Compound Material: PVC

Connector Characteristics - First End Overmold Type: 5 Position DIN with Flex Tail

Connector Characteristics - Second End Connector Type: No Connector

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	19x38	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.037

Overall Cable

Overall Nominal Diameter: 0.231 in.

Assembly Dimensional

Assembly Dimensional Length: 10

Wiring

Wiring: Shield to Connector Shell

Wiring Diagram Color Code Chart:

Number	Color

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1	Brown
2	Red
3	Orange
4	Yellow
5	Green

Mechanical Characteristics (Overall)

UL Temperature Rating: 80°C (UL AWM Style 2464)

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM (cable only)

AWM Specification: UL Style 2464 (300 V 80°C) (cable only)

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: VW-1 (Cable only)

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Notes (Overall)

Notes: Foil and braid shielded for high-noise environments. Outer jacket stripped one inch.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49153A 010S2	1 EA	0.500 LB	BLACK		5 POS DIN STRAIGHT RI37896

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