

49738 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly



**Obsolete
Call
1-800-BELDEN1**

For more Information
please call

1-800-Belden1

**Description:**

GPIB shielded, for use with electronic equipment that is IEEE-488 compatible, molded PVC connector, S-R PVC insulation, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	6	26	7x34	TC - Tinned Copper
10		26	7x34	TC - Tinned Copper
1		24	7x32	TC - Tinned Copper

Number of Pins: 24

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.01

Connector Characteristics

**Connector Characteristics - First End # of
Connector Contacts/positions:** 24

**Connector Characteristics - First End Connector
Gender:** Male/Female

**Connector Characteristics - First End Connector
Shielding Type:** Metal Backshells

**Connector Characteristics - First End Connector
Type:** Stackable Ribbon

**Connector Characteristics - First End Overmold
Color:** Gull Gray

**Connector Characteristics - First End Overmold
Compound Material:** PVC

**Connector Characteristics - First End Overmold
Type:** GPIB

**Connector Characteristics - First End Retention
Hardware:** Thumbscrews

**Connector Characteristics - Second End # of
Connector Contacts/positions:** 24

**Connector Characteristics - Second End
Connector Gender:** Male/Female

**Connector Characteristics - Second End
Connector Shielding Type:** Metal Backshells

**Connector Characteristics - Second End
Connector Type:** Stackable Ribbon

**Connector Characteristics - Second End
Overmold Color:** Gull Gray

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Connector Characteristics - Second End Overmold Compound Material:	PVC
Connector Characteristics - Second End Overmold Type:	GPIB
Connector Characteristics - Second End Retention Hardware:	Thumbscrews

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	7x34	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cabling

Overall Nominal Diameter:	0.350 in.
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Assembly Dimensional

Assembly Dimensional Length:	26.2
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Wiring

Wiring:	Straight wired
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Wiring Diagram Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue (pair 1)
7	Purple (pair 2)
8	Gray (pair 3)
9	White (pair 4)
10	White/Black (pair 5)
11	White/Brown (pair 6)
12	Drain Wire
13	White/Orange
14	White/Yellow
15	White/Green
16	White/Blue
17	White/Purple
18	White/Gray (pair 1)
19	White/Black/Brown (pair 2)
20	White/Black/Red (pair 3)
21	White/Black/Orange (pair 4)
22	White/Black/Yellow (pair 5)
23	White/Black/Green (pair 6)
24	White/Black/Blue (24 AWG)

Mechanical Characteristics (Overall)

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Notes (Overall)

Notes: Molded connector is male/female design for easy stacking and comes with molded-in metric jackscrews.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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