

## 49736 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly



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

Total Number of Conductors: 23

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** PVC  
**Overmold Compound Material:**

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

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

### 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 Cable

**Overall Nominal Diameter:** 0.350 in.

### Assembly Dimensional

**Assembly Dimensional Length:** 9.8

### Wiring

**Wiring:** Straight wired

**Wiring Diagram Color Code Chart:**

Number	Color
1	26 AWG Single
2	26 AWG Single
3	26 AWG Single
4	26 AWG Single
5	26 AWG Single
6	26 AWG Pair1 (conductor A)
7	26 AWG Pair2 (conductor A)
8	26 AWG Pair3 (conductor A)
9	26 AWG Pair4 (conductor A)
10	26 AWG Pair5 (conductor A)
11	26 AWG Pair6 (conductor A)
12	Drain wire
13	26 AWG Single
14	26 AWG Single
15	26 AWG Single
16	26 AWG Single
17	26 AWG Single
18	26 AWG Pair1 (conductor B)
19	26 AWG Pair2 (conductor B)
20	26 AWG Pair3 (conductor B)
21	26 AWG Pair4 (conductor B)
22	26 AWG Pair5 (conductor B)
23	26 AWG Pair6 (conductor B)
24	24 AWG Single

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 74 lbs/1000 ft.

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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

### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

<b>Voltage</b>
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
49736 C62S2	1 EA	1.160 LB	GRAY, GULL		GPIB SHD MOLD CABLE RI38601

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