

## 49735 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly



For more Information  
please call

1-800-Belden1



### General 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

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:

## 49735 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly

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: 6.6

### Wiring

Wiring: Straight wired

#### 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)

Bulk Cable Weight: 70 lbs/1000 ft.

### 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

MIL Order #39 (China RoHS): Yes

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

## 49735 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49735 C62S2	1 EA	0.800 LB	GRAY, GULL		GPIB SHD MOLD CABLE RI38601

Revision Number: 3    Revision Date: 07-24-2009

© 2015 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.