

## 49643 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly



For more Information  
please call

1-800-Belden1



### Description:

GPIB unshielded, 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: None

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: None

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 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.

## 49643 Molded Cable Assemblies - GPIB (General Purpose Interface Bus) Assembly

### 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

### 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.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49643 C62S2	1 EA	12.200 LB	GRAY, GULL		GPIB UNSHD CONNECTOR RI38601

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