

49736 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 (mm) |
|---|---------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.254 |

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

METRIC MEASUREMENT VERSION

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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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.889 |

Overall Cable

| | |
|---------------------------|----------|
| Overall Nominal Diameter: | 8.890 mm |
|---------------------------|----------|

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: | 110.127 Kg/Km |

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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:

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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