

## 49636 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, die cast 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: Diecast Shell

Connector Characteristics - First End Connector Type: Stackable Ribbon

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: Diecast Shell

Connector Characteristics - Second End Connector Type: Stackable Ribbon

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.

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### 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:     | 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:

|                               |
|-------------------------------|
| <b>Voltage</b>                |
| 300 V RMS (UL AWM Style 2464) |

### Notes (Overall)

**Notes:** Die cast 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                 |
|-------------|-------|-------------|------------|-------|---------------------------|
| 49636 C62S2 | 1 EA  | 0.800 LB    | GRAY, GULL |       | GPIB SHD DIE CAST RI38601 |

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