

## 49442 Molded Cable Assemblies - Modular Keyboard Assembly



RETRACTILE COIL BODY LENGTH

For more Information  
please call

1-800-Belden1



### General Description:

8-position modular retractile, used to rapidly interconnect electronic computers and business machines, polypropylene insulation, unshielded, polyurethane jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
8	26	19x38	TC - Tinned Copper	.51

Total Number of Conductors: 8

Number of Pins: 8

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.006

#### Connector Characteristics

Connector Characteristics - First End # of Connector Contacts/positions: 8

Connector Characteristics - First End Connector Type: Modular

Connector Characteristics - Second End # of Connector Contacts/positions: 8

Connector Characteristics - Second End Connector Type: Modular

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PUR - Polyurethane	0.03

#### Overall Cable

Overall Nominal Diameter: 0.100 x 0.314 in.

#### Assembly Dimensional

Assembly Dimensional For Retractable Coil Body Length (extended): 67.5

Assembly Dimensional for Retractable Coil Body Length (relaxed): 15

#### Tail Length

1st End Tail Length: 1.5 +/- .5

2nd End Tail Length: 1.5 +/- .5

#### Wiring

Wiring:

Cross Wired. Brown: pin1(E1) to pin8(E2), Red: pin2(E1) to pin7(E2), Orange: pin3(E1) to pin6(E2), Yellow: pin4(E1) to pin5(E2), Green: pin5(E1) to pin4(E2), Blue: pin6(E1) to pin3(E2), Purple: pin7(E1) to pin2(E2), Grey: pin8(E1) to pin1(E2)

#### Wiring Diagram Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue

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7	Purple
8	Gray

### Mechanical Characteristics (Overall)

UL Temperature Rating: 60°C (UL AWM Style 20197)

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

AWM Specification: UL Style 20197 (30 V 60°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

30V (UL AWM Style 20197)

### Notes (Overall)

**Notes:** Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49442 010B1	25 EA	4.000 LB	BLACK		8 POS MOD RET CABLE RI47853
49442 010S2	1 EA	2.100 LB	BLACK		8 POS MOD RET CABLE RI47853

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