

(4,19mm) .165"

PMSD, PMSDT, PMSS, PMSST SERIES

PMSST-05-24-SP-03.50-D

PMSD-10-18-SP-03.50-D-MUS

# DISCRETE WIRE POWER CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?PMSD](http://www.samtec.com?PMSD), [www.samtec.com?PMSDT](http://www.samtec.com?PMSDT), [www.samtec.com?PMSS](http://www.samtec.com?PMSS) or [www.samtec.com?PMSST](http://www.samtec.com?PMSST)

### Insulator Material:

Valox 457

### Contact Material:

Phosphor Bronze

### Plating:

Sn over 50µ" (1,27µm) Ni

### Operating Temp Range:

-35°C to +105°C (PVC)

-55°C to +125°C (\*Teflon®)

### Voltage Rating:

22 &amp; 24 AWG =

300 VAC/424 VDC (PVC)

16, 18 &amp; 20 AWG =

600 VAC/848 VDC (PVC)

24 AWG =

300 VAC/424 VDC (\*Teflon®)

### Wire:

16 to 24 AWG

### RoHS Compliant:

Yes



Mates with:  
IPBT



- Individually shrouded contacts
- Metal or plastic latches

Metal or plastic latch

Wire range from 16-24 AWG

Single or Double end option

| CURRENT RATING |                        |                        |
|----------------|------------------------|------------------------|
| AMBIENT TEMP   | PMSD/ IPBT             | PMSDT/ IPBT            |
| 20°C           | 12.1A                  | 12A                    |
| 40°C           | 10.5A                  | 10.5A                  |
| 60°C           | 8.7A                   | 8.7A                   |
| 75°C           | 7A                     | 7A                     |
|                | 6 POS. (2x3)<br>16 AWG | 6 POS. (2x3)<br>18 AWG |
|                | POWERED                | POWERED                |

## APPLICATION SPECIFIC OPTION

- Color coded cables (\*Teflon® N/A).
  - Other sizes/pin counts.
  - 20 AWG/300 Volts
- Call Samtec.

\*Teflon® is a trademark of Dupont.

**Note:** For wiring option information refer to drawing on web.

**Note:** Some lengths, styles and options are non-standard, non-returnable.

| TYPE                                                       | PINS PER ROW                               | WIRE GAUGE                                   | LEAD STYLE              | ASSEMBLED LENGTH                                          | END OPTION         | LATCH OPTION                        |
|------------------------------------------------------------|--------------------------------------------|----------------------------------------------|-------------------------|-----------------------------------------------------------|--------------------|-------------------------------------|
| <b>PMSD</b><br>= Double Row PVC Cable                      | -02,<br>-03, -04,<br>-05, -08,<br>-10, -15 | -16<br>-18<br>-206<br>(20 AWG/<br>600 volts) | -SP<br>= Standard Power | -“XX.XX”<br>= Wire Length in Inches (88,90mm) 03.50" min. | -S<br>= Single End | -D<br>= Double End (Latch required) |
| <b>PMSDT</b><br>= Double Row *Teflon® Cable (24 AWG only)  |                                            | -22<br>-24                                   |                         |                                                           |                    |                                     |
| <b>PMSS</b><br>= Single Row PVC Cable (-02, -03, -04, -05) |                                            |                                              |                         |                                                           |                    |                                     |
| <b>PMSST</b><br>= Single Row *Teflon® Cable (24 AWG only)  |                                            |                                              |                         |                                                           |                    |                                     |

PMSD/PMSDT

PMSS/PMSST

-D-MUS  
-D-LUS

(Metal latches for more rugged environments)

Single Ended,

-M = Metal Latches PMSD/ PMSDT only (Leave blank for plastic)

-LUS = Plastic Latch up, straight

-LDS = Plastic Latch down, straight

-LUX\* = Plastic Latch up, crossed

-LDX\* = Plastic Latch down, crossed

-MUS = Metal Latch up, straight

-MDS = Metal Latch down, straight

-MUX\* = Metal Latch up, crossed

-MDX\* = Metal Latch down, crossed (\* PMSD/PMSDT only)

Due to technical progress, all designs, specifications and components are subject to change without notice.

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