

(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.<br>(2x3)<br>16 AWG | 6 POS.<br>(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<br>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<br>Power | -“XX.XX”<br>= Wire<br>Length<br>in Inches<br>(88,90mm)<br>03.50" min. | -S<br>= Single End<br><br>-D<br>= Double End<br>(Latch required) |              |
| <b>PMSDT</b><br>= Double Row<br>*Teflon® Cable<br>(24 AWG only)     |                                            | -22<br>-24                                   |                            |                                                                       |                                                                  |              |
| <b>PMSS</b><br>= Single Row<br>PVC Cable<br>(-02, -03,<br>-04, -05) |                                            |                                              |                            |                                                                       |                                                                  |              |
| <b>PMSST</b><br>= Single Row<br>*Teflon® Cable<br>(24 AWG only)     |                                            |                                              |                            |                                                                       |                                                                  |              |

PMSD/PMSDT

PMSS/PMSST

-D-MUS

Assembled Length ± (3,18) .125

-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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