



(4,19 mm) .165"

PMSD, PMSDT, PMSS, PMSST SERIES

PMSST-05-24-SP-03.50-D-LUS

PMSD-03-18-SP-03.50-D-LUS

# 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" (1.27 µm) 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
- Plastic latches



| CURRENT RATING<br>(PER CONTACT) |                           |                           |
|---------------------------------|---------------------------|---------------------------|
| AMBIENT<br>TEMP                 | PMSD/<br>IPBT             | PMSDT/<br>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.

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

**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, -03,<br>-04, -05, | -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>(88,90 mm)<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                        |                        |                                              |                            |                                                                        |                                                                  |              |
| <b>PMSST</b><br>= Single Row<br>*Teflon® Cable<br>(24 AWG only) |                        |                                              |                            |                                                                        |                                                                  |              |

PMSD/PMSST

PMSD/PMSDT

-D-LUS

**-LUS**  
= Plastic Latch up, straight

**-LDS**  
= Plastic Latch down, straight

**-LUX\***  
= Plastic Latch up, crossed

**-LDX\***  
= Plastic 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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