

(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 & 24 AWG =  
300 VAC/424 VDC (PVC)  
16, 18 & 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) 16 AWG	6 POS. (2x3) 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> = Double Row PVC Cable	-02, -03, -04, -05, -08, -10, -15	-16 -18 -206 (20 AWG/ 600 volts)	-SP = Standard Power	-“XX.XX” = Wire Length in Inches (88,90mm) 03.50" min.	-S = Single End  -D = Double End (Latch required)	
<b>PMSDT</b> = Double Row *Teflon® Cable (24 AWG only)		-22 -24				
<b>PMSS</b> = Single Row PVC Cable (-02, -03, -04, -05)						
<b>PMSST</b> = 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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