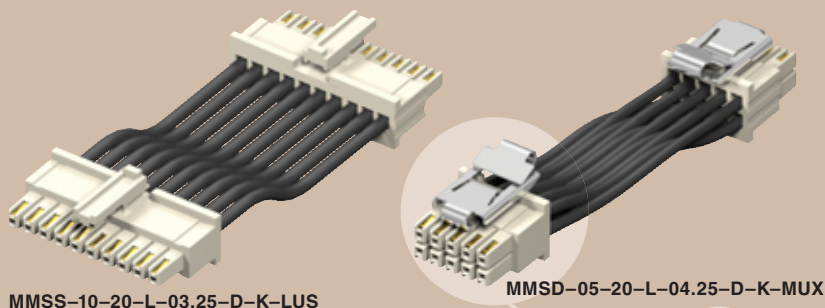




(2,54 mm) .100"

MMSD, MMSDT, MMSS, MMSST SERIES



MMSS-10-20-L-03.25-D-K-LUS

MMSD-05-20-L-04.25-D-K-MUX

# DISCRETE WIRE CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MMSD](http://www.samtec.com?MMSD), [www.samtec.com?MMSDT](http://www.samtec.com?MMSDT), [www.samtec.com?MMSS](http://www.samtec.com?MMSS) or [www.samtec.com?MMSST](http://www.samtec.com?MMSST)

### Insulator Material:

Nylon 66

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Operating Temp Range:

-35°C to +105°C (PVC)

-55°C to +125°C (\*Teflon®)

### Voltage Rating:

20 to 30 AWG =

300 VAC/424 VDC

### Wire:

20 to 30 AWG

### RoHS Compliant:

Yes



Mates with: IPL1  
(Does not mate with IPT1)

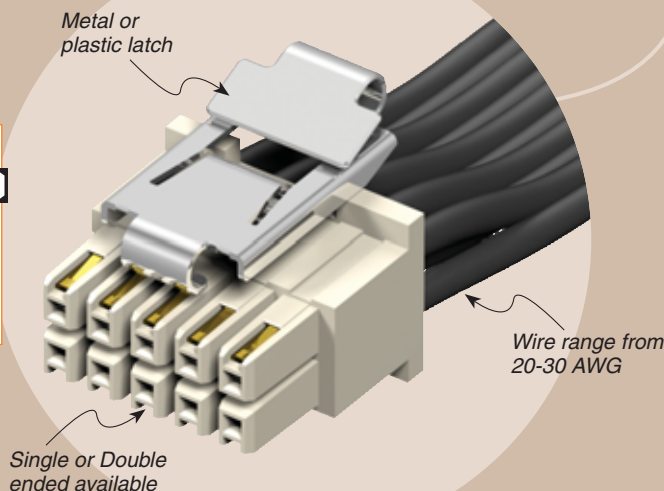
### CURRENT RATING (PER CONTACT)

AMBIENT TEMP	MMSD/IPL1
20°C	7.4A
40°C	6.5A
60°C	5.9A
95°C	3.8A

6 POSITIONS (2x3)  
20 AWG POWERED



- Individually shrouded contacts
- Metal or plastic latches



Metal or plastic latch

Wire range from 20-30 AWG

Single or Double ended available

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

## APPLICATION SPECIFIC OPTION

- Other color coded cables (\*Teflon® N/A).
- Other sizes/pin counts.
- With or without Plug Polarization (omit pin 1).
- Other Gold plating options.
- Guide post
- Call Samtec.

## APPLICATION

-24C CABLE COLOR CODING	
PIN	COLOR
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE
10	BLACK
ETC	REPEAT

**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	PLATING OPTION	ASSEMBLY LENGTH	END OPTION	K	LATCH OPTION
<b>MMSD</b> = Double Row PVC Cable	-02, -03, -04, -05, -06, -08,	-20 -22 -24	-L = 10µ" (0,25 µm) Gold on contact, Tin on tail	- "XX.XX" = Assembly Length in Inches (82,55 mm) 03.25" min.	-S = Single End -D = Double End (Latch Required)	-K = Keyed Polarization	
<b>MMSDT</b> = Double Row *Teflon® Cable (24, 28 & 30 AWG only)	-10, -12, -15, -16, -20, -25 (Call Samtec for other sizes)	-24C = Color Coded Cable -26 -28 -30					
<b>MMSS</b> = Single Row PVC Cable							
<b>MMSST</b> = Single Row *Teflon® Cable (24, 28 & 30 AWG only)							

Diagram of MMSD/MMSDT connector showing dimensions and pin configuration.

Diagram of MMSS/MMSSDT connector showing dimensions and pin configuration.

Diagram of MMSD/MMSDT connector showing dimensions and pin configuration.

Diagram of MMSD/MMSDT connector showing dimensions and pin configuration.

Diagram of MMSD/MMSDT connector showing dimensions and pin configuration.

Diagram of MMSD/MMSDT connector showing dimensions and pin configuration.

(Metal latches for more rugged environments; -02, -05 & -10 positions only)

-M = Single Ended, Metal Latches (Leave blank for plastic)

Double Ended (-D) Crossed requires MMSD/MMSDT

-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

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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