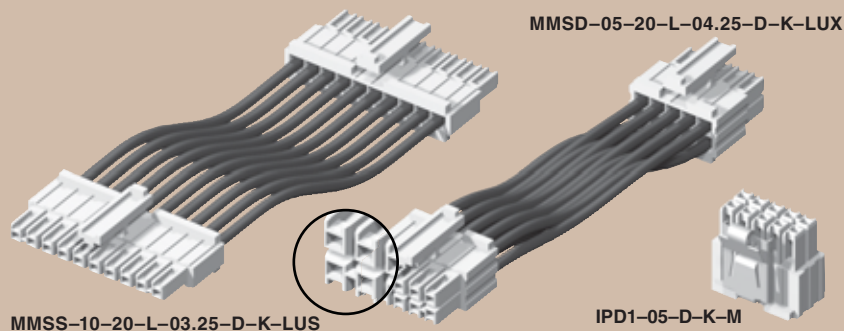




MMSS-10-20-L-03.25-D-K-LUS

IPD1-05-D-K-M

MINI MATE[®] CABLE

MMSD, MMSS, IPD1 SERIES

Mates with:
IPL1 (Does not
mate with IPT1)

SPECIFICATIONS

For complete specifications
see www.samtec.com?MMSD,
www.samtec.com?MMSS or
www.samtec.com?IPD1

Insulator Material:

Nylon 66

Contact Material:

Phosphor Bronze

Plating: Au or Sn over

50µ" (1,27µm) Ni

Operating Temp Range:

-55°C to +105°C (20-26 AWG)

-55°C to +80°C (28-30 AWG)

Voltage Rating: 675 VAC

Wire: 20 to 30 AWG

RoHS Compliant: Yes



CURRENT RATING

AMBIENT TEMP	MMSS/IPL1	MMSD/IPL1
20°C	6.8A	7.4A
40°C	6.0A	6.5A
60°C	5.3A	5.3A
95°C	3.6A	5.4A

MMSS 6 POSITIONS IN LINE POWERED
MMSD 2 POSITIONS 20 AWG POWERED

TYPE	PINS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLY LENGTH	END OPTION	K	LATCH OPTION
MMSD = Double Row	-02, -05, -10,	-20 -22 -24	-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-“XX.XX” = Assembly Length in Inches (82,55mm) 03.25" min.	-S = Single End -D = Double End (Latch Required)	-K = Keyed Polarization	
MMSS = Single Row	-15, -16, -20, -25	-24C = Color Coded Cable -26 -28 -30					

Diagram showing dimensions for MMSS, MMSSD, and -D-K-MUS assemblies. Dimensions include: No. of positions x (2,54) .100 + (1,40) .055; (8,89) .350; (2,54) .100; (12,83) .505; Assembly Length ± (3,18) .125.

Legend for Latch Options:

- M = Single Ended, Metal Latches (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

APPLICATION SPECIFIC OPTION

- Other color coded cables.
- Other sizes/pin counts.
- With or without Plug Polarization (omit pin 1). 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: Other Gold plating options available. Contact Samtec.

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

TYPE	POSITIONS PER ROW	ROW OPTION	K	LATCH OPTION	TYPE	WIRE GAUGE	01	PLATING OPTION
IPD1 = Body, Loose	-02, -05, -10, -15, -16, -20, -25	-S = Single Row -D = Double Row	-K = Keyed Polarization	-M = Metal Latch (Leave blank for plastic latch)	CC79L = Contact, Loose CC79R = Contact, Full Reel (15,000 Parts per Reel)	-2630 = 26 to 30 AWG -2024 = 20 to 24 AWG		-S = 30µ" (0,76µm) Gold on contact, Tin on tail

Diagram showing dimensions for IPD1, -S, -D, and -M assemblies. Dimensions include: (12,83) .505; (7,24) .285; (17,93) .706; (1,57) .062 DIA; (1,91) .075; (3,81) .150; (3,17) .1250.

HAND TOOLS

20 to 24 AWG:
CAT-HT-179-2024-11
26 to 30 AWG:
CAT-HT-179-2630-11

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

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