

# Connecting cable, Sub-D

Technical data

## Connecting cable KMP6

- Connecting cable for multi-pin plug connection
- Pre-assembled
- Cable lengths 2.5 m, 5 m or 10 m
- 9-pin, 15-pin, 25-pin or 26-pin
- Sub-D



General technical data					
Type	KMP6-09P-8-...	KMP6-15P-12-...	KMP6-25P-12-...	KMP6-25P-20-...	KMP6-26P-16-...
Electrical connection	Straight socket Sub-D 9-pin	Straight socket Sub-D 15-pin	Straight socket Sub-D 25-pin	Straight socket Sub-D 25-pin	Straight socket Sub-D 26-pin
	Open cable end 9-wire	Open cable end 15-wire	Open cable end 15-wire	Open cable end 25-wire	Open cable end 20-wire
Type of mounting	Via through-hole				
Mounting position	Any				
Operating voltage range	[V DC]	0 ... 24			
Acceptable current load	[A]	2.8	2.8	2.8	2.5
Cable composition	[mm <sup>2</sup> ]	8x0.34	15x0.34	15x0.34	20x0.25
	[mm <sup>2</sup> ]	1x0.5	–	–	5x0.34
Cable diameter	[mm]	7.6	8.5	8.5	10.3
Degree of protection to EN 60529	IP40 (assembled)				

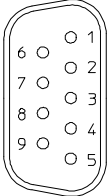
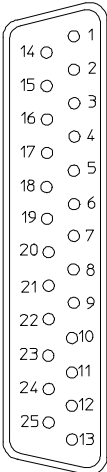
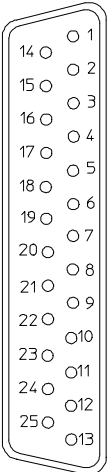
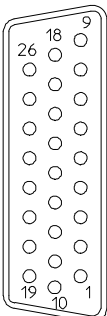
Materials	
Housing	PBT reinforced
Pin contacts	Gold-plated copper alloy
Cable sheath	PVC

Operating and environmental conditions		
Ambient temperature	[°C]	–30 ... +80
Ambient temperature with flexible cable installation	[°C]	–5 ... +80

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Circuitry (socket view)				
KMP6-09P-8-...		KMP6-15P-12-...		
	Pin	Wire colour <sup>1)</sup>	Pin	Wire colour <sup>1)</sup>
	1	WH	1	WH
	2	BN	2	BN
	3	GN	3	GN
	4	YE	4	YE
	5	GY	5	GY
	6	PK	6	PK
	7	BU	7	BU
	8	RD	8	RD
	9	BK <sup>2)</sup>	9	BK
			10	VT
			11	GY PK
			12	RD BU
			13	WH GN
			14	BN GN
			15	WH YE
KMP6-25P-12-...		KMP6-25P-20-...		
	Pin	Wire colour <sup>1)</sup>	Pin	Wire colour <sup>1)</sup>
	1	WH	18	-
	2	BN	19	-
	3	GN	20	-
	4	YE	21	-
	5	GY	22	-
	6	PK	23	WH GN
	7	BU	24	BN GN
	8	RD	25	WH YE
	9	BK		
	10	VT		
	11	GY PK		
	12	RD BU		
	13	-		
	14	-		
	15	-		
	16	-		
	17	-		
	Pin	Wire colour <sup>1)</sup>	Pin	Wire colour <sup>1)</sup>
	1	WH	18	GY BN
	2	BN	19	WH PK
	3	GN	20	PK BN
	4	YE	21	WH BU <sup>3)</sup>
	5	GY	22	BN BU <sup>3)</sup>
	6	PK	23	WH RD <sup>3)</sup>
	7	BU	24	BN RD <sup>3)</sup>
	8	RD	25	WH BK <sup>3)</sup>
	9	BK		
	10	VT		
	11	GY PK		
	12	RD BU		
	13	WH GN		
	14	BN GN		
	15	WH YE		
	16	YE BN		
	17	WH GY		
KMP6-26P-16-...				
	Pin	Wire colour <sup>1)</sup>	Pin	Wire colour <sup>1)</sup>
	1	WH	14	BN GN
	2	BN	15	WH YE
	3	GN	16	YE BN
	4	YE	17	-
	5	GY	18	-
	6	PK	19	-
	7	BU	20	-
	8	RD	21	-
	9	BK	22	-
	10	VT	23	WH GY
	11	GY PK	24	GY BN
	12	RD BU	25	WH PK
	13	WH GN	26	PK BN

1) To IEC 757

2) Wire cross section 0.5 mm<sup>2</sup>

3) Wire cross section 0.34 mm<sup>2</sup>

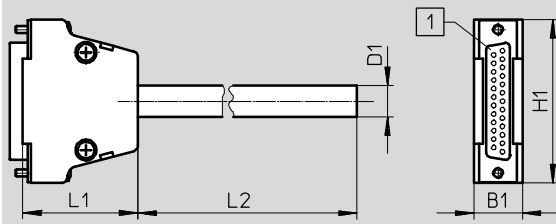
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## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



Type	1	B1	D1	H1	L1	L2
KMP6-09P-8-...	Sub-D socket, 9-pin	16	7.6	31.2	34.5	Length according to type (2.5 m, 5 m or 10 m)
KMP6-15P-12-...	Sub-D socket, 15-pin	16	8.5	40	34.5	
KMP6-25P-12-...	Sub-D socket, 25-pin	16	8.5	53.4	37.7	
KMP6-25P-20-...	Sub-D socket, 25-pin	16	10.3	53.4	37.7	
KMP6-26P-16-...	Sub-D socket, 26-pin	16	8.6	40	34.5	

## Ordering data

Electrical connection	Cable composition [mm <sup>2</sup> ]	Product weight [g]	Cable length [m]	Part No.	Type
Sub-D socket, 9-pin	8x0.34 + 1x0.5	248	2.5	<b>531184</b>	<b>KMP6-09P-8-2,5</b>
	8x0.34 + 1x0.5	454	5	<b>531185</b>	<b>KMP6-09P-8-5</b>
	8x0.34 + 1x0.5	864	10	<b>531186</b>	<b>KMP6-09P-8-10</b>
Sub-D socket, 15-pin	15x0.34	293	2.5	<b>527543</b>	<b>KMP6-15P-12-2,5</b>
	15x0.34	585	5	<b>527544</b>	<b>KMP6-15P-12-5</b>
	15x0.34	1134	10	<b>527545</b>	<b>KMP6-15P-12-10</b>
Sub-D socket, 25-pin	15x0.34	329	2.5	<b>530049</b>	<b>KMP6-25P-12-2,5</b>
	15x0.34	590	5	<b>530050</b>	<b>KMP6-25P-12-5</b>
	15x0.34	1140	10	<b>530051</b>	<b>KMP6-25P-12-10</b>
Sub-D socket, 25-pin	20x0.25 + 5x0.34	432	2.5	<b>530046</b>	<b>KMP6-25P-20-2,5</b>
	20x0.25 + 5x0.34	814	5	<b>530047</b>	<b>KMP6-25P-20-5</b>
	20x0.25 + 5x0.34	1600	10	<b>530048</b>	<b>KMP6-25P-20-10</b>
Sub-D socket, 26-pin	20x0.25	280	2.5	<b>527546</b>	<b>KMP6-26P-16-2,5</b>
	20x0.25	570	5	<b>527547</b>	<b>KMP6-26P-16-5</b>
	20x0.25	1145	10	<b>527548</b>	<b>KMP6-26P-16-10</b>