

CA5641 Series M12 Cable Assembly Straight

General specifications

Insulation material	PA
Contact material	Copper alloy, plating: gold
Nut/Screw material	Copper alloy, plating: nickel
Current rating	2 to 5 pin: 4 A, 6 to 8 pin: 2 A, 9 to 12 pin: 1.5 A
Voltage rating	2 to 4 pin: 250 V, 5 pin: 60 V, 6 to 12 pin: 30 V
Contact resistance	5 mΩ max.
Insulator resistance	100 MΩ min.
Dielectrical withstanding	500 VAC for 1 min
Operating temperature	-40 °C to +100 °C
IP-Rating	IP 65

Mating parts series

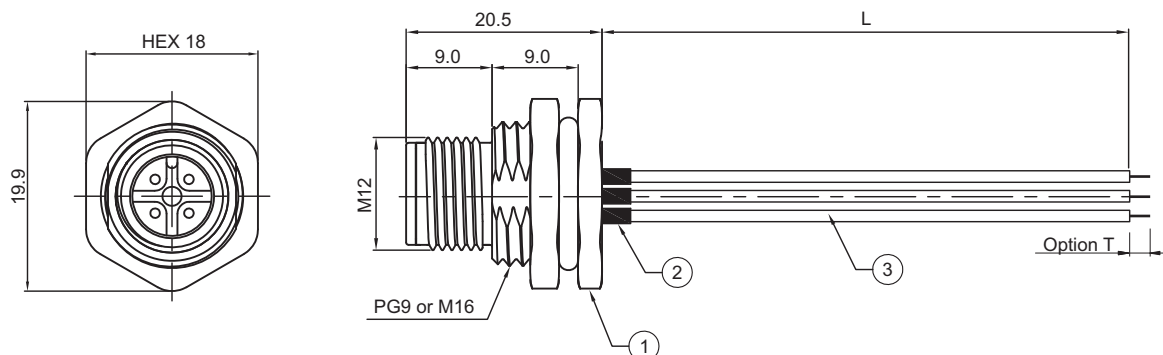


RoHS
compliant

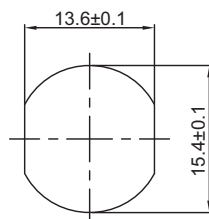
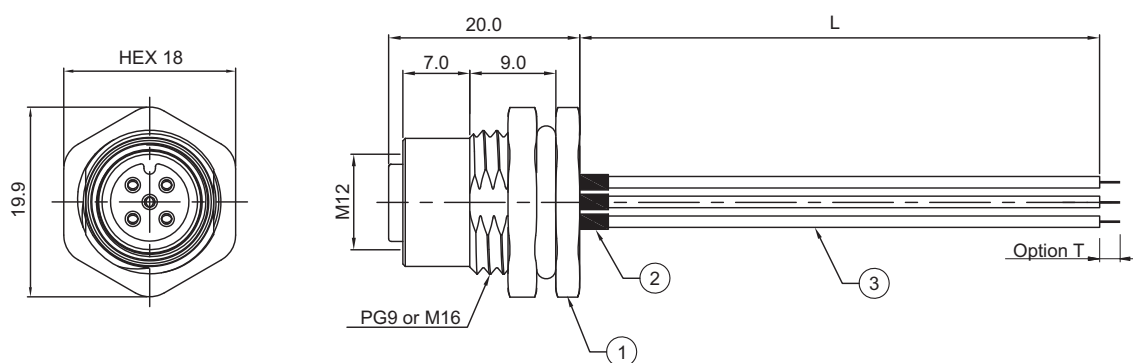
Mechanical dimensions

Unit: mm

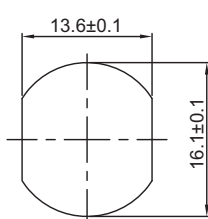
CA5641P



CA5641S



PG9 recommended panel cut-out
thickness: 4.0



M16 recommended panel cut-out
thickness: 4.0

Part descriptions	
Part no.	Description
1	M12 socket or plug solder type
2	Heat shrink tube PVC, color: black
3	TPE wire, AWG (see table), color (see table)

Tolerances	
Linear	X ± 0.50 .XX ± 0.30
Length	<300 ± 5 >300 ± 10

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Part numbering guide

CA5641 P	02	A	1	050	T10
Series P = Plug S = Socket	No. of contacts 02 to 12	Coding A = A-coding D = D-coding (02 to 05 contacts only)	Thread 1 = PG9 2 = M16	Length L (mm)	Option T (mm) Ends tinned

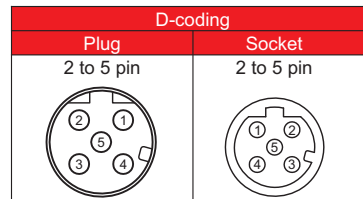
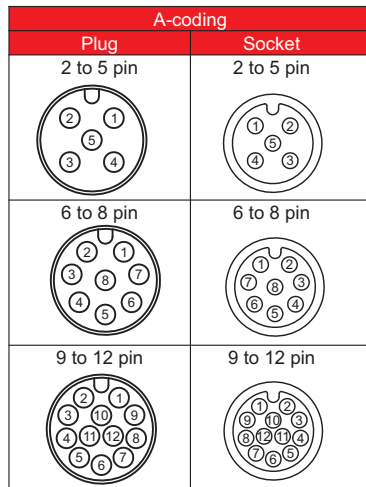
* standard



CA5641 Series M12 Cable Assembly Straight

Mechanical dimensions

Unit: mm



2 pin	
Pin	Color
1	black
3	brown
AWG 22	

3 pin	
Pin	Color
1	black
3	brown
4	red
AWG 22	

4 pin	
Pin	Color
1	black
2	white
3	brown
4	red
AWG 22	

5 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
AWG 22	

6 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
AWG 24	

7 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
AWG 24	

8 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
8	green
AWG 24	

9 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
8	green
9	purple
AWG 26	

10 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
8	green
9	purple
10	grey
AWG 26	

11 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
8	green
9	purple
10	grey
11	pink
AWG 26	

12 pin	
Pin	Color
1	black
2	white
3	brown
4	red
5	yellow
6	blue
7	orange
8	green
9	purple
10	grey
11	pink
12	light green
AWG 26	

