



ACP-12-01-G-00.25-S-S-M-1

ACP-12-01-G-00.25-T-S-P-1

ACP-12-05-G-00.25-T-S-P-1

ACP-12 SERIES

# IP68 SEALED 12 mm CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?ACP-12](http://www.samtec.com?ACP-12)

**Insulator Material:**

Thermoplastic

**Terminal Material:**

Brass

**Contact Material:**

Brass/BeCu

**Plating:**

Au over 50 μ" (1.27 μm) Ni

**Operating Temp Range:**

-10 °C to +80 °C

**Housing:**

-P: Black Nylon

-M: Zinc Alloy

**Cable Jacket:**

TPU

**RoHS Compliant:**

Yes

**Mates with:**

ACR-12, ACRK-12



**Solutionator**  
DESIGN IN A MINUTE

- Easy sealed cable solutions
- Build a standard or flexible custom online
- Calculate performance, current rating, voltage drop
- Live chat with AccliMate™ engineers for custom options
- Variety of shells, pin sizes, signal, power, I/O interfaces
- Assembly and field kits available



Tested to IP68 for dust & water

Choice of terminals or sockets

**ALSO AVAILABLE**  
(MOQ Required)

- Other assembly lengths

CURRENT RATING		
LEAD STYLE	PINS POWERED	CCC per PIN
-01	4	3.8 A
-02	5	3.6 A
-05	2 (plus 4 signal pins powered @ 1.2 A)	5.0 A

For general reference only. See [www.samtec.com?ACP-12](http://www.samtec.com?ACP-12) for complete test data or contact [AccliMate@samtec.com](mailto:AccliMate@samtec.com) for applications requiring higher current carrying capacity.

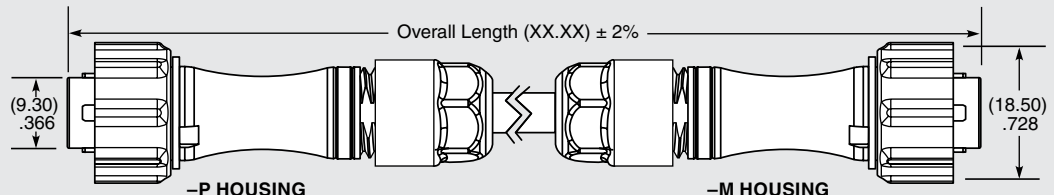
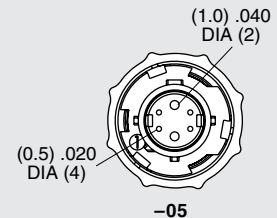
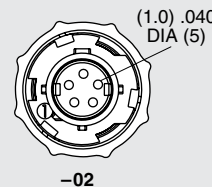
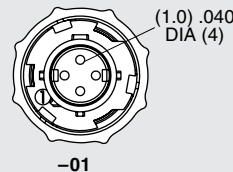
ACP	12	LEAD STYLE	PLATING	LENGTH	END 1	END 2	HOUSING MATERIAL	KEYING OPTIONS
		-01 = 1.0 mm DIA (4) terminals or sockets (24 AWG)	-G = 10 μ" (0.25 μm) Gold over 50 μ" (1.27 μm) Ni on contact	"XX.XX" = Length in meters (00.25 m min. to 50.00 m max.) Standard lengths	-T = Terminal  -S = Socket (N/A with End 2 -T)	-T = Terminal  -S = Socket  -BC = Blunt Cut	-P = Plastic  -M = Metal	-1 = Orange, 45°
		-02 = 1.0 mm DIA (5) terminals or sockets (24 AWG)						
		-05 = 1.0 mm DIA (2) terminals or sockets (24 AWG) + 0.5 mm DIA (4) terminals or sockets (28 AWG)						

## DUST CAPS

- DCA-ACP-12-M-X (Metal)
- DCA-ACP-12-P-X (Plastic)



- Visit [sealedio.samtec.com](http://sealedio.samtec.com) for a complete list of sealed systems



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

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

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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