



## AXC 50 Power Connector

The AXC 50 is a versatile 50A / UL 1977 rated 600V\* power connector designed for reliable battery and power connections. Boasting quick connect/disconnect, color-coded keyed housings, stability and ease-of-use are at the forefront. Silver-plated, crimp contacts cater to different AWGs, ensuring a wide accommodation range. UL certification strengthens its safety claim. Primarily favored in camping, caravans, solar arrangements, 4WD, heavy vehicle trailers and battery charging markets, the AXC 50 sets itself apart with its high amperage, varied color coding, and superior contact quality.

### Features:


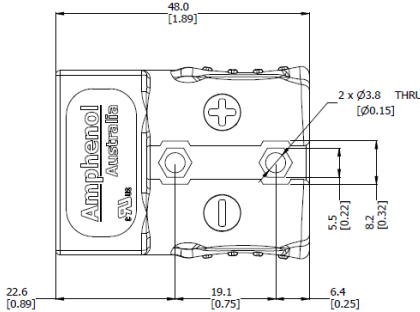




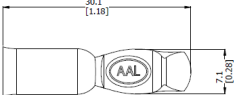
- Quick connect / disconnect
- Colour coded keyed housings
- UL certification
- Crimp contacts
- Silver plated contacts
- 6AWG, 8AWG, 10-12AWG

PRODUCT	DRAWING	DESCRIPTION	COLOUR	AWG	PART NUMBER
		AXC 50 power connector, 2 pole, 50A, 600V* Supplied complete with two contacts.	BLACK <sup>1</sup>	6	<a href="#">AXC500H6</a>
			BLACK <sup>1</sup>	8	<a href="#">AXC500H8</a>
			BLACK <sup>1</sup>	10-12	<a href="#">AXC500H10</a>
		AXC 50 power connector, 2 pole, 50A, 600V* Supplied complete with two contacts.	RED	6	<a href="#">AXC502H6</a>
			RED	8	<a href="#">AXC502H8</a>
			RED	10-12	<a href="#">AXC502H10</a>
		AXC 50 power connector, 2 pole, 50A, 600V* Supplied complete with two contacts.	BLUE	6	<a href="#">AXC506H6</a>
			BLUE	8	<a href="#">AXC506H8</a>
			BLUE	10-12	<a href="#">AXC506H10</a>
		AXC 50 power connector, 2 pole, 50A, 600V* Supplied complete with two contacts.	GREY <sup>1</sup>	6	<a href="#">AXC508H6</a>
			GREY <sup>1</sup>	8	<a href="#">AXC508H8</a>
			GREY <sup>1</sup>	10-12	<a href="#">AXC508H10</a>

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<sup>1</sup> Grey and Black housing feature the same housing keying and are intermatable.

\*Not suitable for domestic applications above 50VAC or 120VDC

PRODUCT	DRAWING	DESCRIPTION	COLOUR	AWG	PART NUMBER
		AXC 50 power connector, 2 pole, 50A, 600V* Housing only.	BLACK <sup>1</sup>	N/A	AXCH500
		RED	N/A	AXCH502	
		BLUE	N/A	AXCH506	
		GREY <sup>1</sup>	N/A	AXCH508	
			AXC 50 power contacts, 50A, 600V*	-	6
	-		8	AXCC50H8	
	-		10-12	AXCC50H10	

<sup>1</sup> Grey and Black housing feature the same housing keying and are interchangeable.

\*Not suitable for domestic applications above 50VAC or 120VDC

### Connector Specifications

Current Rating UL 1977	50A
Current Rating UL 1977 (6AWG ONLY)	120A
Current Rating CSA (6AWG ONLY)	50A
Voltage Rating AC/DC UL 1977	600V*
Maximum Wire Insulation Diameter	11.2mm
Average Contact Resistance	<200 $\mu\Omega$
Dielectric Withstanding Voltage AC	2200V
Contact Retention Force	222N
Average Mating/Unmating Force	67N
Hot Plug Current Rating - 250 Cycles at 120V DC	50A
Operating Temperature	-20°C to 105°C

### AXCC Contact Sizes

AWG	mm <sup>2</sup>
6	13.3
8	8.4
10-12	3.3 - 5.3