

# **PART 5 BLUE SECTION**

# **FLEXIBLE CONNECTORS**

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### FLEXIBLE CONNECTORS

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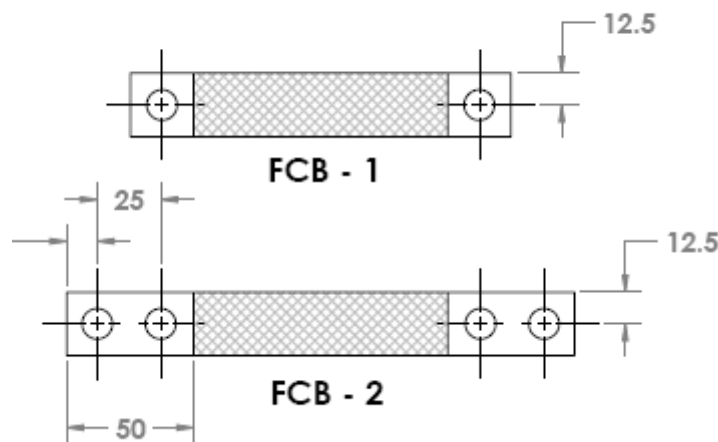
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**FLEXIBLE COPPER BRAIDS**

**“FCB” SERIES” FLAT COPPER BRAID**



**“FCB SERIES”**



**Catalogue Number: FCB1/150-1/100**

AMP RATING OF THE BRAID TYPE - e.g. 150A

NUMBER OF BRAIDS IN PARALLEL

**FCB1/150-1/100**

NUMBER OF HOLES IN THE BRAID PALM

OVERALL LENGTH OF BRAID - e.g. 100mm

**The “FCB” Flexible Copper Braids are stocked in two Braid Types:**

- i) 150A – Stranding – 48/10/0.25mm, Nominal Cross Sectional Area – 25mm<sup>2</sup>
- ii) 210A – Stranding – 48/16/0.25mm, Nominal Cross Sectional Area – 39mm<sup>2</sup>

**BRAIDS ARE MADE TO STANDARD WIDTHS OF:**

25mm, 45mm, 50mm & 86mm

Catalogue Number	Current Rating (derating factor must be calculated by customer)	Number of Braids	LENGTH (mm)
FCB1/150-1/‘mm’	150 AMPS x 1	1	AS REQUIRED
FCB1/150-2/‘mm’	150 AMPS x 2	2	AS REQUIRED
FCB1/210-1/‘mm’	210 AMPS x 1	1	AS REQUIRED
FCB1/210-2/‘mm’	210 AMPS x 2	2	AS REQUIRED

**\*\*\*VARIOUS LENGTHS AND CONFIGURATIONS AVAILABLE\*\*\***

The “FCB” Flexible Copper Braids are made from numbers of flat tinned braids. Ferrules are pressed on the end of the braid to form flat connection palms to bolt onto bus-bars or terminals. All sizes are nominal values. All Braids can be covered with Heatshrink upon request, note this will derate the current carrying capacity.

**\*\*\*Custom made sizes available upon request\*\*\***

**FILL OUT BRAID TEMPLATE ON PAGE 5-5 & 5-6 IF YOU REQUIRE A CUSTOM MADE SIZE.**

**MINIMUM ORDER QUANTITIES MAY APPLY**

**BRAIDS ARE MADE TO ORDER & NOT RETURNABLE.**

Note: The above Amp. Ratings are calculated at 40°C temperature rise above 30°C ambient over a one metre length. These are given as a guide only as the conditions of application must be considered.

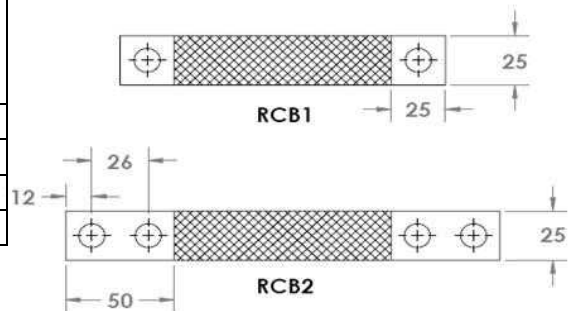
**“RCB” SERIES  
ROUND COPPER BRAID**



**RCB2-1/390-2/315**

Catalogue Number	Current Rating (derating factor must be calculated by customer)	Number of Braids	LENGTH (mm)
RCB1/390-1/ 'mm'	390 AMPS x 1	1	AS REQUIRED
RCB1/390-2/ 'mm'	390 AMPS x 2	2	AS REQUIRED
RCB2/390-1/ 'mm'	390 AMPS x 1	1	AS REQUIRED
RCB2/390-2/ 'mm'	390 AMPS x 2	2	AS REQUIRED

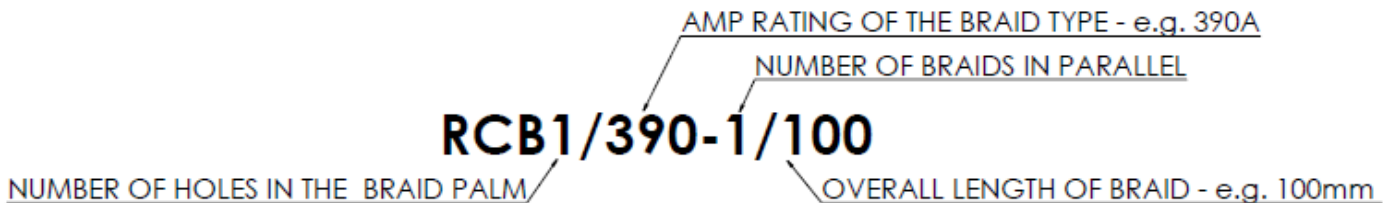
**"RCB SERIES"**



**BRAIDS ARE MADE TO STANDARD WIDTHS OF:**  
25mm, 45mm, 50mm & 86mm

The “RCB” Flexible Round Copper Braid is stocked as:  
390A – Stranding – 19/7/14/0.25mm O/A 48/6/0.25  
Nominal Cross Sectional Area – 110mm<sup>2</sup>

**Catalogue Number: RCB1/390-1/100**



**\*\*\*VARIOUS LENGTHS AND CONFIGURATIONS AVAILABLE\*\*\***

Round Braid consists of one or more electro tinned copper sections. Copper ferrules are formed onto the ends of the braids under high pressure to produce solid rectangular palms. Specify length in (mm) of braid required. All sizes are nominal values. All Braids can be covered with Heatshrink upon request, note this will derate the current carrying capacity. Braids are made to order & non returnable

**\*\*\*Custom made sizes available upon request\*\*\***

**FILL OUT BRAID TEMPLATE ON PAGE 5-5 & 5-6 IF YOU REQUIRE A CUSTOM MADE SIZE.  
MINIMUM ORDER QUANTITIES MAY APPLY  
BRAIDS ARE MADE TO ORDER & NOT RETURNABLE.**

Note: The above Amp. Ratings are calculated at 40°C temperature rise above 30°C ambient over a one metre length. These are given as a guide only as the conditions of application must be considered.

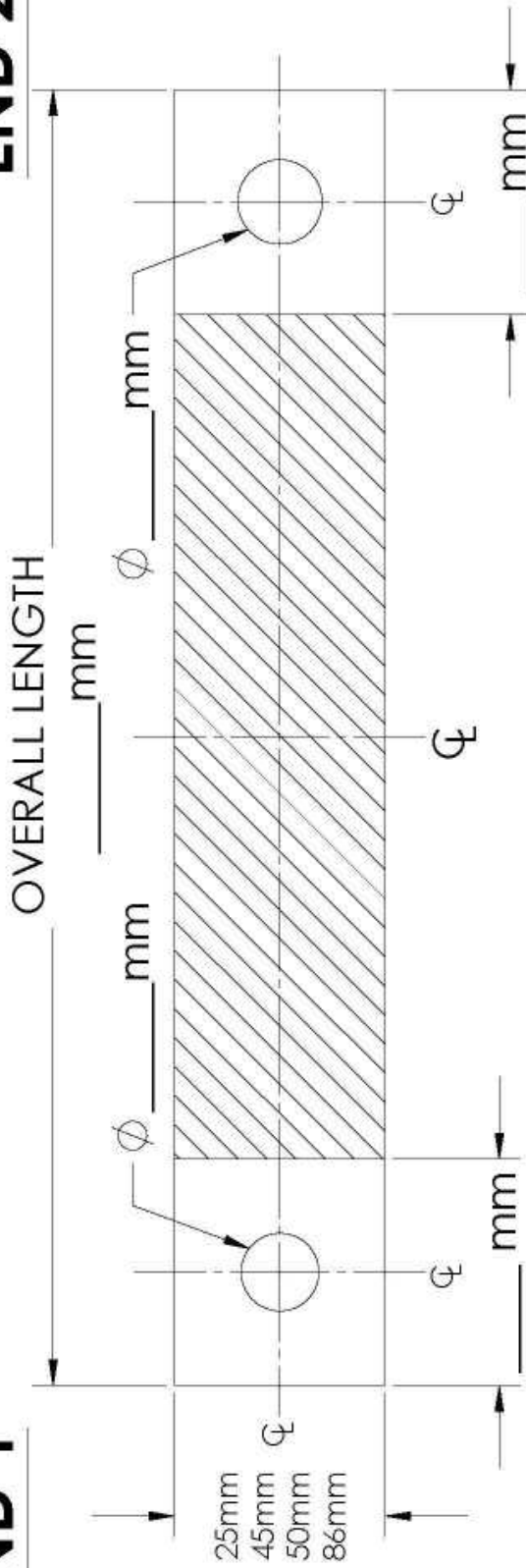
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# FLEXIBLE BRAIDS

PRODUCT NO. \_\_\_\_\_

END 1

END 2



### BRAID STRANDING:

FLAT - 150A (48/10/0.25) - Approx. 25mm<sup>2</sup>  
 FLAT - 210A (48/16/0.25) - Approx. 39mm<sup>2</sup>

### HOW MANY BRAIDS IN PARALLEL:

1, 2, 3, 4, 5, 6

### QUANTITY: \_\_\_\_\_

### HEATSHRINK: YES / NO

### NOTES:

**DISCLAIMER: IT IS THE CUSTOMERS RESPONSIBILITY THAT THE AMP RATING IS SUITABLE FOR THEIR REQUIREMENTS**

ROUND - 390A (19/7/14/0.25 O/A 48/6/0.25)  
 - Approx. 110mm<sup>2</sup>

<b>PROPRIETARY AND CONFIDENTIAL</b>	NAME	DATE	FULTON INDUSTRIES AUSTRALIA PTY LTD
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FULTON INDUSTRIES AUSTRALIA PTY. LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FULTON INDUSTRIES AUSTRALIA PTY. LTD. IS STRICTLY PROHIBITED.	DRAWN BY:		TEL: 61 2 4323 4242 FAX: 61 2 4322 6197
	CHECKED BY:		EMAIL: sales@fultonindustries.com.au
<b>DIMENSIONAL TOLERANCES:</b> (except where otherwise stated)	<b>THIRD ANGLE PROJECTION</b>		
Up to 100mm ±0.1mm			
Over 100 to 300mm ±0.2mm			
Over 300 to 1200mm ±0.3mm			
Over 1200 up to 1500mm ±0.5mm			
Over 1500 up to 5000mm ±1.0mm			
Over 5000mm ±2.0mm	<b>MATERIAL:</b>		<b>REVISION</b>
All Angles (degrees) ±1°		<b>A4</b>	<b>D</b>
<b>DO NOT SCALE DRAWING</b>	<b>COMMENTS:</b> 1. ALL MEASUREMENTS ARE IN MILLIMETRES. 2. REMOVE ALL SHARP EDGES AND BURRS.		07/11/13
		SCALE: 1:1	SHEET 1 OF 1

1 2 3 4 5





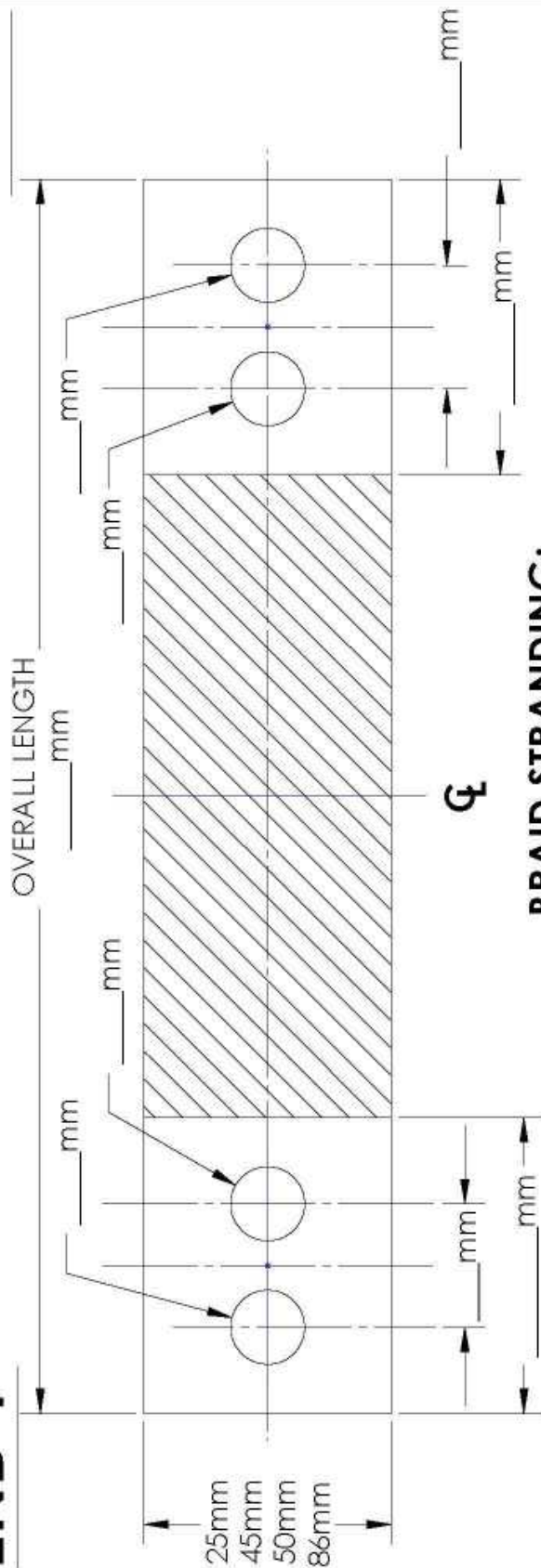
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# FLEXIBLE BRAIDS

PRODUCT NO. \_\_\_\_\_

**END 1**

**END 2**



**BRAID STRANDING:**

- FLAT - 150A (48/10/0.25) - Approx. 25sqmm
- FLAT - 210A (48/16/0.25) - Approx. 39sqmm

- ROUND - 390A (19/7/14/0.25 O/A 48/6/0.25) - Approx. 110sqmm


**HOW MANY BRAIDS IN PARALLEL:**  
1, 2, 3, 4, 5, 6

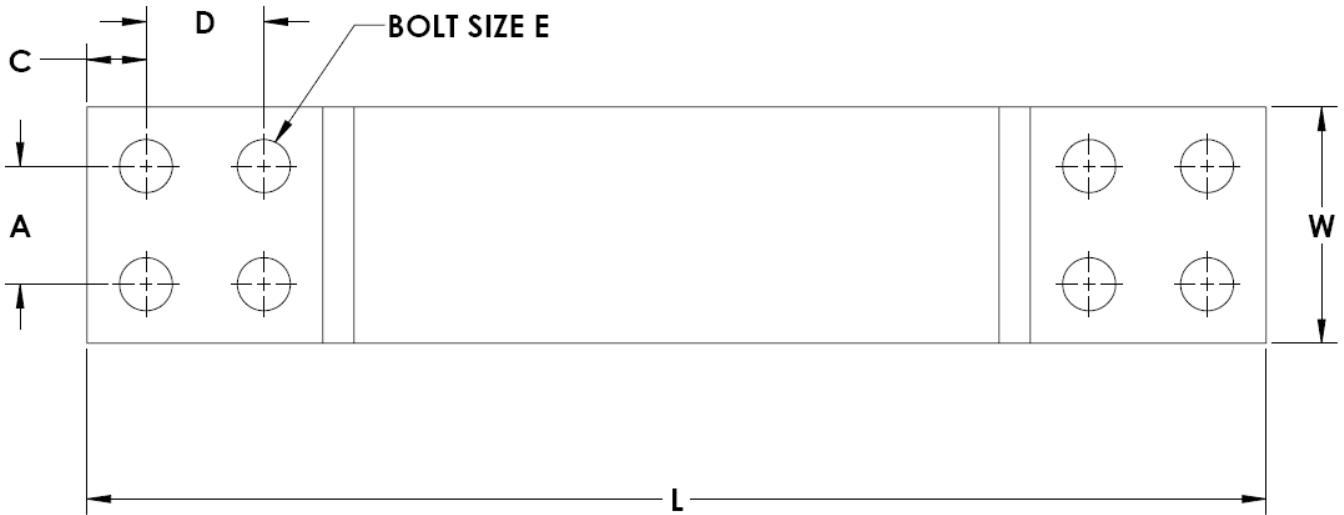
**QUANTITY:** \_\_\_\_\_

**HEATSHRINK: YES / NO**

**NOTES:**

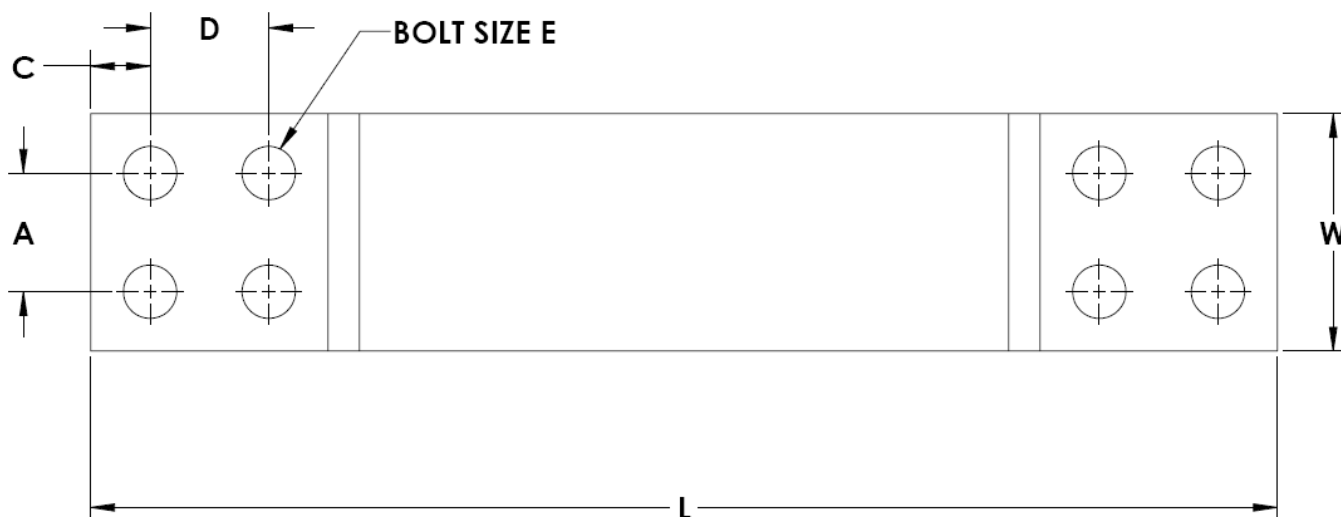
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	DRAWN BY:		TEL: 61 2 4323 4242 FAX: 61 2 4322 6197
	CHECKED BY:		EMAIL: sales@fultonindustries.com.au
<b>THIRD ANGLE PROJECTION</b>			<b>TITLE: DEFAULT TEMPLATE FOR BRAIDS</b>
<b>DIMENSIONAL TOLERANCES:</b> (See applicable standards) Up to 6mm ±0.1mm Over 6 up to 30mm ±0.2mm Over 30 up to 120mm ±0.3mm Over 120 up to 315mm ±0.5mm Over 315 up to 500mm ±1.0mm Over 500mm ±5.0mm All Angles (degrees) ±1°	<b>MATERIAL:</b>	<b>REVISION</b>	
<b>COMMENTS:</b> 1. ALL MEASUREMENTS ARE IN MILLIMETRES. 2. REMOVE ALL SHARP EDGES AND BURRS.	<b>SIZE DWG. NO.</b>	<b>REVISION</b>	
<b>DO NOT SCALE DRAWING</b>	<b>A4</b>	<b>N/A</b>	<b>C</b>
			<b>SHEET 1 OF 1</b>



**FLEXIBLE ALUMINIUM CONNECTOR Catalogue No. FAC**

Used where flexibility required between rectangular bus bars and terminal palms. Connectors consist of high conductivity aluminium laminates layered to allow movement during expansion of the busbar system. The ends of the laminates are welded to solid aluminium bus bars. When ordering, nominate current rating and overall length required.



**FLEXIBLE COPPER CONNECTOR Catalogue No. FCC**

Used where flexibility required between rectangular bus bars or connections and terminal palms. Connectors consist of layers of high conductivity copper laminates to allow movement during expansion of the busbar system. Plates are supplied to distribute bolt pressures over the total contact area of the connectors. When ordering, nominate current rating and overall length required.