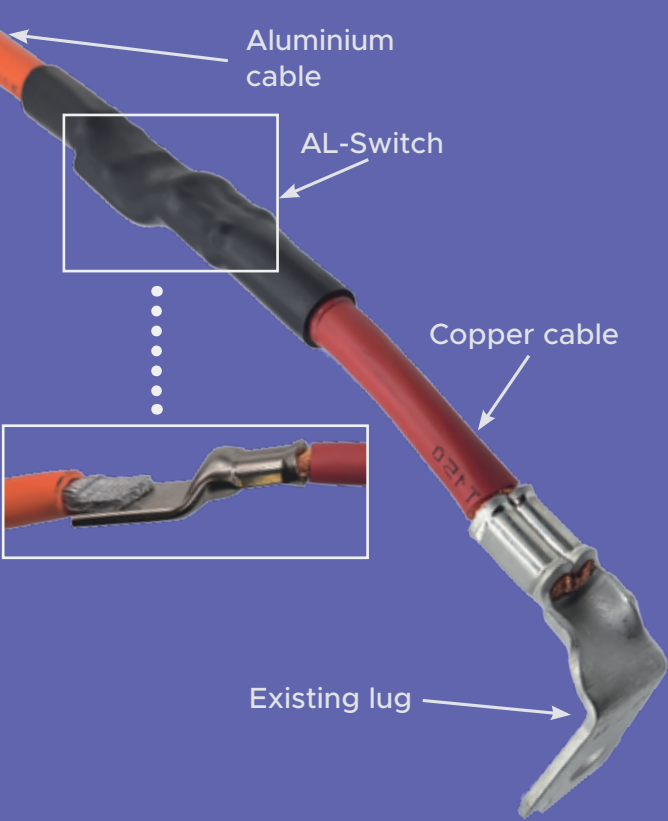
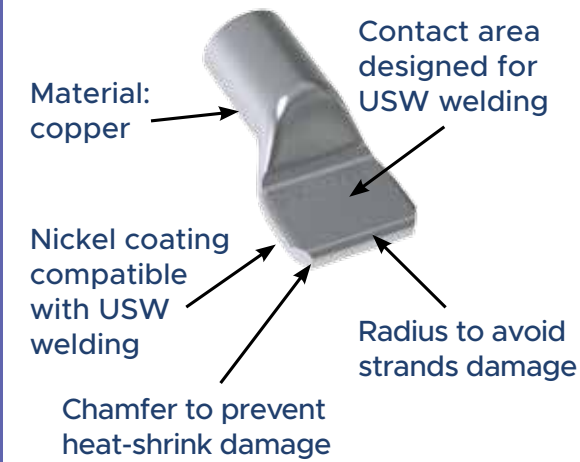


Switch to aluminium cables

Connecting aluminium is sensitive. As aluminium cables are larger than copper cables, routing concerns usually arise. This requires further lug development, costly and time-consuming.



AL-Switch makes connecting aluminium and copper cables easy with a one-product-solution.



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1 boulevard Marius Vivier Merle, 69003 Lyon, France

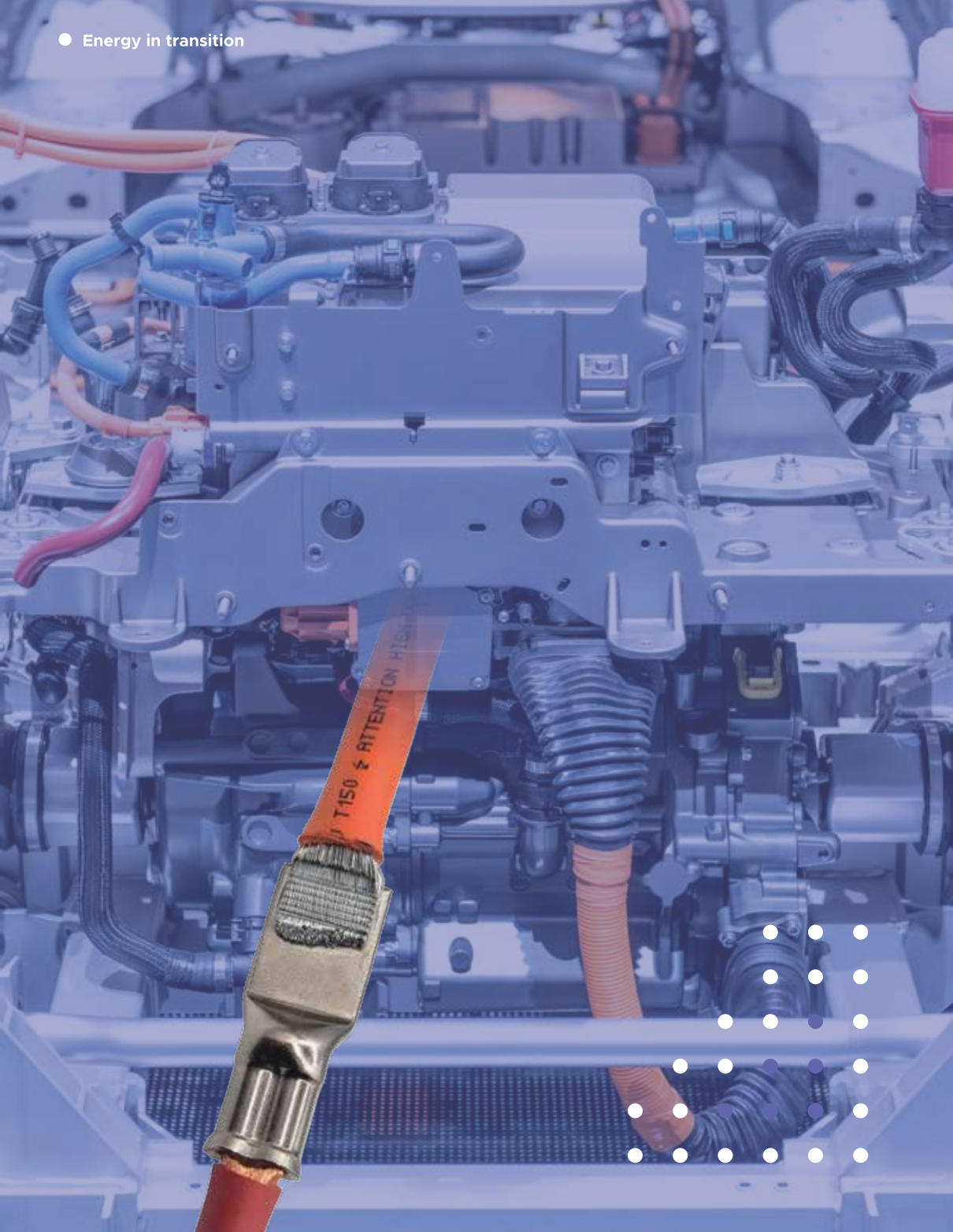
sicame-group.com

Mecatraction
mecatraction.com

+33 (0)5 55 73 89 89
info@mecatraction.com
ZA des Hauts de Chignac
19230 Arnac Pompadour, France

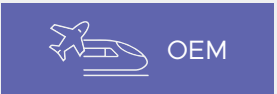


ComST 2025 - Credit photo @rchoq_123rf - ALSWITCH-GE25

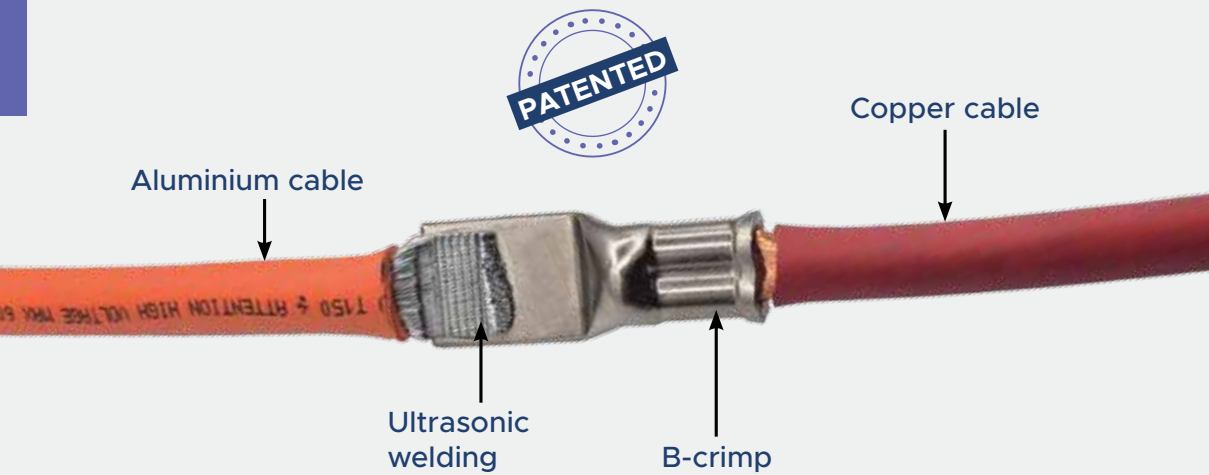


● Energy in transition

Aluminium connection
AL-Switch



AL-Switch: Solution to connect aluminium flexible cables



Benefits of AL-Switch

- Allows easy switch to aluminium main length of the harness for weight and costs savings
- AL-Switch based on reliable technologies: ultrasonic welding and B-crimp
- Extremity connection remains unchanged. Allows use of already qualified solutions of constructor panel
- Only 1 product range for all applications

Based on two reliable connecting technologies



Ultrasonic welding



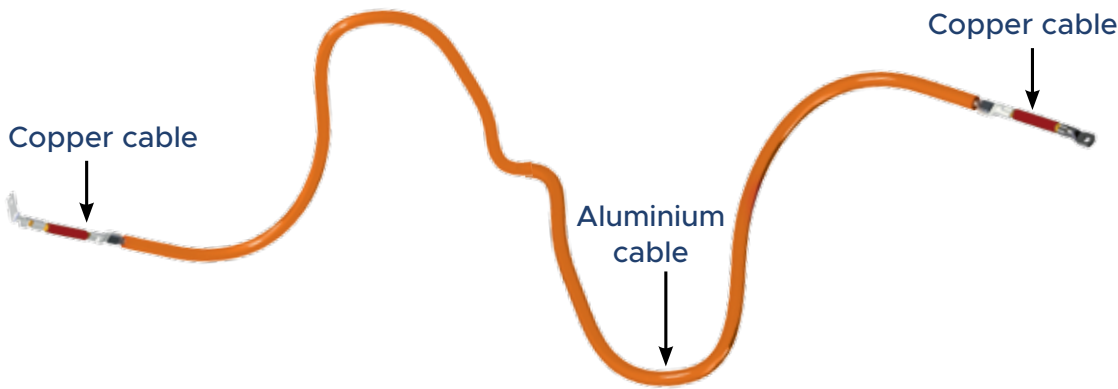
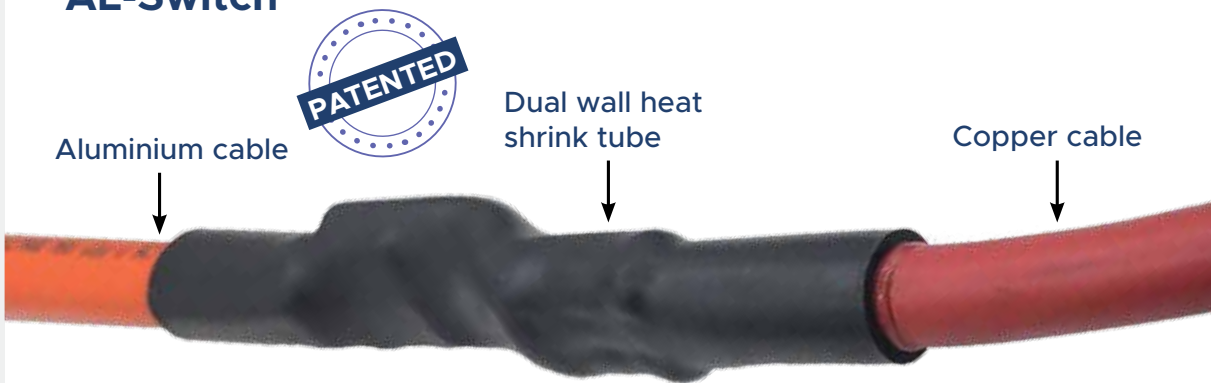
B-crimp

Avoid systematic development of complex connections at the extremity of the aluminium and copper cables

By using AL-Switch:

- The cable lug or connector at cable extremities remains unchanged
- Harness extremities keep the same ability to fit the device environment
- Standardised product: 1 product for 1 cross section that fits all applications cases
- Compliant with any/every connection already used at cable extremity:
 - Connectors
 - Cable lugs

Watertightness of the crimping area is ensured by AL-Switch



Harness equipped with Al-Switch

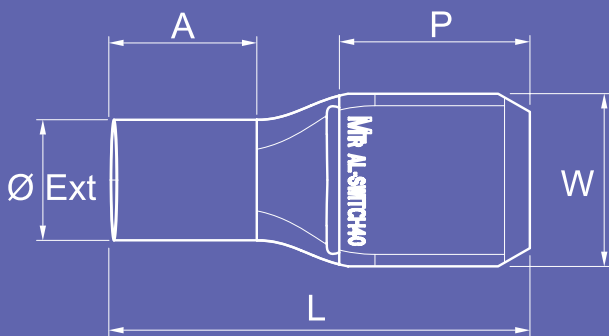
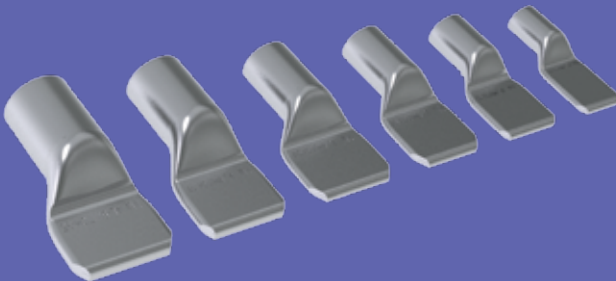


Our expert teams are available worldwide to support the integration of AL-Switch into your harness.
oem@sicamegroup.com



Specifications

P/N	Admissible Cable cross section	
	Copper	Aluminium
AL-SWITCH16	16 to 20 mm ²	16 to 40 mm ²
AL-SWITCH25	25 mm ²	25 to 50 mm ²
AL-SWITCH40	35 to 40 mm ²	40 to 70 mm ²
AL-SWITCH50	50 mm ²	50 to 95 mm ²
AL-SWITCH70	60 to 70 mm ²	70 to 120 mm ²
AL-SWITCH95	95 mm ²	95 to 150 mm ²
AL-SWITCH120	120 mm ²	120 to 185 mm ²



P/N	Dimensions (mm)				
	Ø ext	A	L	W	P
AL-SWITCH16	9,5	11,5	36,7	15	18
AL-SWITCH25	11,8	14	40,7	17	18
AL-SWITCH40	13	17	44,7	22	18
AL-SWITCH50	14,6	19	47,7	26	18
AL-SWITCH70	17,5	21	51,7	27	18
AL-SWITCH95	19,7	23	54,7	30	18
AL-SWITCH120	21,5	26	58,7	32	18