

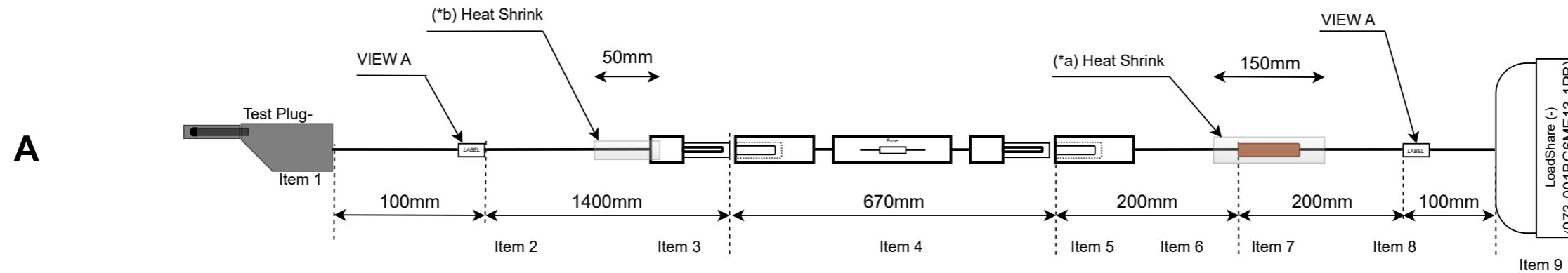
1	2	3	4	5	6
REV	CR NO	DESCRIPTION	AUTHOR		
001	N/A	CREATED	Matheus Hagemann		

BOM					
Item Number	Part Name	Sales part no.	Description	Qty	Manufacturer
1	22.1027 & 22.2380-21	22.1027 & 22.2380-21	Banana Test Connector, 4mm, Shrouded & Stackable, Plug, Cable Mount, 32 A, 1 kV, Black	1 pc.	Stäubli
2	61.7666-999-21	61.7666-999-21	Wire, Silicone, Black, 14 AWG, 2 mm ² , Outer Diameter \varnothing 3.9mm	1.5 m	Stäubli
3	PV-KBT4-EVO 2A/2.5I	32.0310P0001	MC4-Evo 2 jack, 2.5 mm ² , cable \varnothing 4.7-6.4 mm, 1.5 kV, 39 A	1 pc.	Stäubli
4	PV-K/1500ILF2-4/6E0064UL	32.0419-0064UL	In-Line Fuse, 4 A, gPV, 1.5 kV (DC)	1 pc.	Stäubli
5	PV-KST4-EVO 2A/10II	32.0325P0001	MC4-Evo 2 plug, 10 mm ² , cable \varnothing 6.4-8.4 mm, 1.5 kV, 69 A	1 pc.	Stäubli
6	ÖLFLEX® DC ESS SC 1 X 10.0	85153005	Cable best designed for ESS satisfying DC 1500V, 1 X 10.0 mm ² , \varnothing 7.2mm	0.2 m	Lapp Kabel
7	RH2510	RH2510	Klauke reducing sleeve 25/10qmm, 25mm ² , reduced cross section 10mm ² (material Cu), External \varnothing 6.6	1 pc.	Klauke
8	961-129-N-E-9 AWG4	961-129-N-E-9	HV Cable (Copper)	0.3 m	Glenair
9	973-001BG6ME13-1PB	973-001BG6ME13-1PB	HV Connector Assembly	1 pc.	Amphenol
(*a) 10	TFE4-1/2-PTFE-CL	339-01279	Heatshrink tubing, 4:1, (12.7/3.66 mm), polytetrafluoroethylene, transparent	150 mm	Hellermannntyton
11	SPF15-PP-BK	162-20150	Spiral Tube 15 mm - 18 mm, PP, black	4 m	Hellermannntyton
(*b) 12	TA42-8/2-PO-X-BK	318-40800	Heat Shrinkable Tubing Thin Wall with Adhesive Liner 4:1, \varnothing : 8.0mm to 2.0mm	50mm	Hellermannntyton

Tolerances:

Between connectors: +15mm
0mm
Other dimensions: \pm 10

*a - Shrink Tubing used to isolate the reducing sleeve and the mesh shielding of the wire.
*b - Shrink Tubing used to adjust the diameter of the wire (up size), to tight it on the PV-KBT4-EVO 2A/2.5I connector (shrink tubing goes inside the connector).



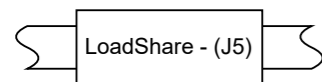
Term	Wire Colour	Wire Name	Signal	Wire Type	Wire Size
A	BK	-	LoadShare -	SINGLE	2mm2



Term	Wire Colour	Wire Name	Signal	Wire Type	Wire Size
A	WH	J5	LoadShare -	SINGLE	4AWG (25mm2)

- Connection to the IESU Terminal: J5
On both cable ends cut off the mesh shielding and isolate it. The shield shall not be connected.

VIEW A (Labels)



General Notes

- Please ensure all electrical conductors are fully inside the lug/crimping connectors
- Crimping connections shall be done as shown on the manufacturer manual
- Wrap the cable with the Item 11 (Spiral Tube). All connectors must be wrapped from Item 3 to the Item 7 with the Spiral Tube to protect them.

DRAWN:	Matheus Hagemann	DATE:	22.08.2024
CHECKED:		DATE:	
APPROVED:	On TeamCenter workflow	DATE:	
MATERIAL:	N/A	THEOR. EXACT DIMENSIONS ACC. TO CAD:	
STATUS:		PART MARKING ACC. TO:	TOLERANCING PRINCIPLE:
PART NAME:	IESU LOADSHARE J5 - (BANANA PLUG) HARNESS		STRUCTURE CATEGORY:
PART NUMBER - REVISION:	E005294	VARIANT:	N/A
		SHEET:	A3
		SCALE:	N/A
		PROJECT ANGLE:	

