

Legend:

Label

Label Name

Shield



Harness Notes:

Length of the Harness: 3m
100mm Length for each cable coming inside to Plastic Box

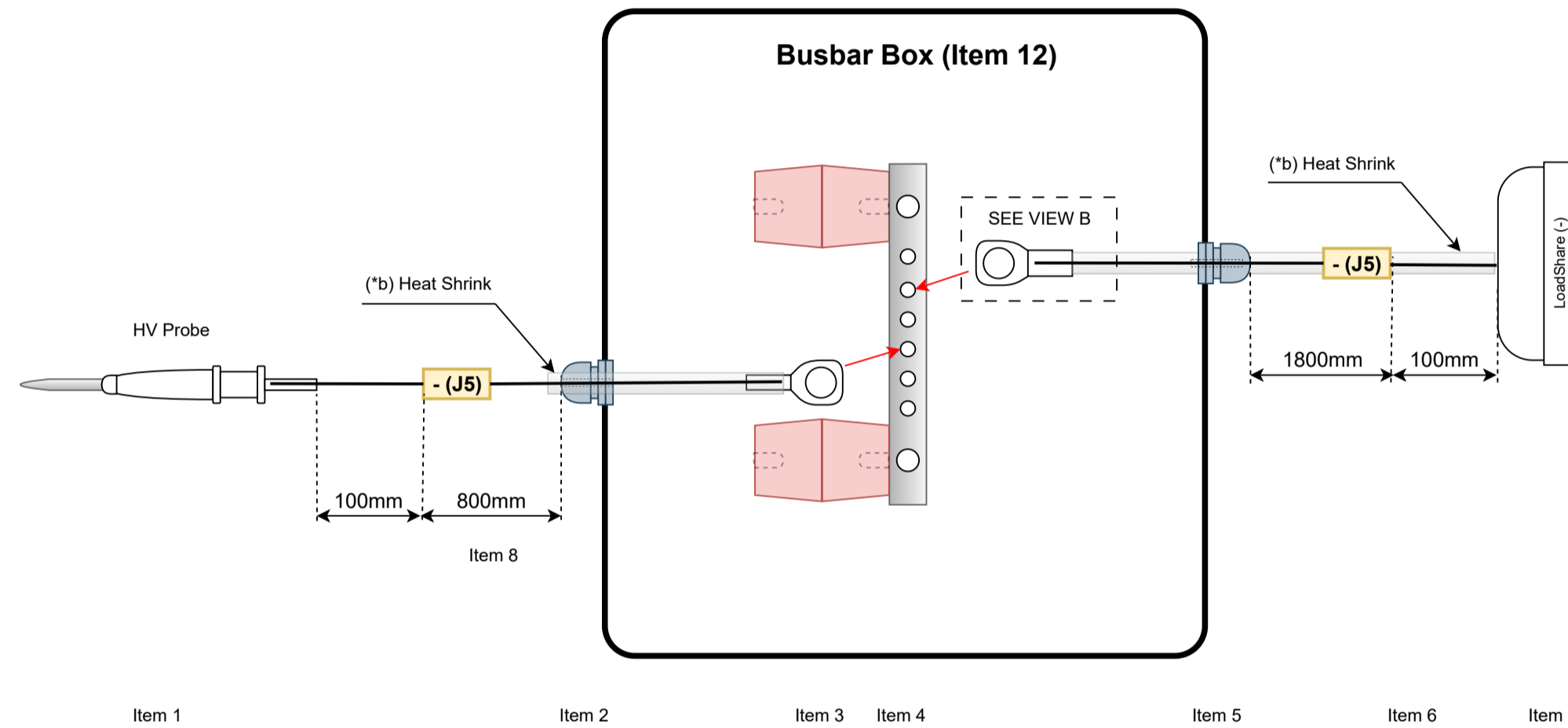
Tolerances:

Between Connectors: +15 mm
0 mm
Other Dimensions: ±10 mm

BOM					
Item Number	Part Name	Sales part no.	Description	Qty	Manufacturer
1	GHT -114	GHT -114	Test Cable Assembly, Length of 1000mm, Test Lead Set	1 pc	GW INSTEK
2	G-INS-PG7-M68N-PNES-LG	1424485	Cable gland, 3 mm ... 6.5 mm, Pg7, Lightgray	1 pc	Phoenix Contact
3	QHEP06008	QHEP06008	POLYESTER INSULATOR (L.V.) - L: 60mm; Ø: 38mm; 2.4kV; UL94V-0; Body: red, 3,3KV DC	2 pc	BM Group
4	SV 3582.000	SV 3582.000	Busbars E-Cu, Length: 2400 mm/bar, 20 mm x 5 mm	0.15 m	Rittal
5	G-INS-PG16-M68N-PNES-LG	1424489	Cable gland, 10 mm ... 14 mm, Pg16, Lightgray	1 pc	Phoenix Contact
6	961-129-N-E-9 AWG4	961-129-N-E-9	HV Cable (Copper)	2 m	Glenair
7	973-001BG6ME13-1PB	973-001BG6ME13-1PB	HV Connector Assembly	1 pc	Amphenol
(*a) 8	TFE4-1/4-PTFE-CL	339-00649	Heat Shrinkable Tubing 4:1 PTFE transparent in a length of 6.35/1.6	0.15 m	Hellermannntyton
(*b) 9	TFE4-5/8-PTFE-CL	339-01599	Heat Shrinkable Tubing 4:1 PTFE transparent, 15.8 to 4.5mm	2 m	Hellermannntyton
10	C-RCI 2,5/M8	3240026	Ring cable lug, blue, 1.5 ... 2.5 mm ² , M8	1 pc	Phoenix Contact
11	104R8	104R8	Compression cable lugs according to DIN, Cu, 25 mm ² , M8	1 pc	Klauke
12	PK 9518.100	PK 9518.100	Polycarbonate enclosures PK without knockouts (WHD: 182 x 180 x 111 mm)	1 pc	Rittal
13					

*a - Shrink Tubing used on all cable extension to improve dielectric strength.
*b - Shrink Tubing used to adjust the diameter of the wire (up size), to tight it on the cable gland PG7.

Term	Wire Colour	Wire Name	Signal	Wire Type	Wire Size
A	WH	HV Probe	LoadShare HV -	SINGLE	?? mm ²



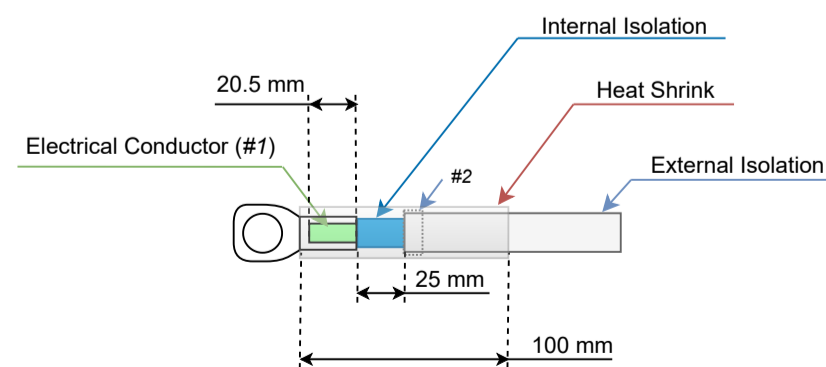
Term	Wire Colour	Wire Name	Signal	Wire Type	Wire Size
A	WH	J5	LoadShare HV -	SINGLE	4AWG (25mm ²)

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

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

VIEW B



Notes:

- #1 Please ensure all electrical conductor is inside the lug
- #2 Cut off the mesh shielding and insulate it under the Heat Shrink

DRAWN:	Matheus Hagemann	DATE:	23.10.24
APPROVED:	Anirudh Sridhar	DATE:	
MATERIAL:	N/A	THEOR. EXACT DIMENSIONS ACC. TO CAD:	CAD ID:
STATUS:		PART MARKING ACC. TO:	TOLERANCING PRINCIPLE: ISO 8015:2011
PART NAME:	IESU LOADSHARE J5 HARNESS - 2.5KV HV TEST		STRUCTURE CATEGORY: N/A
PART NUMBER - REVISION:	E0000	VARIANT:	N/A
		SHEET:	1/1
		SIZE:	A2
		SCALE:	N/A
		PROJECT ANGLE:	
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