

Cable Labels

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The cable labeling requirements for the Hall D Signal and High Voltage Cable Assemblies were outlined in JLab Specification No: D00000-16-11-S003. Figure 1 and Table 1 are reproduced below from those specifications. This document describes the labeling content for each of the cable types.

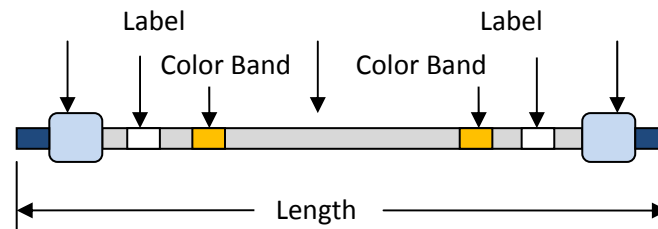


Figure 1 – Components of a cable assembly.

Table 1 describes the type and quantity of cable assemblies to be delivered:

Table 1 – Description of Cable Assemblies.

Cable Assembly Type	Connector 1 Style	Cable Type or Part Number	Connector 2 Style	Length (Feet)	Quantity
Type I	BNC	Belden 9907	LEMO	55	470
Type II	LEMO	Belden 9907	LEMO	40	130
Type III	LEMO	Belden 9907	LEMO	50	1930
Type IV	LEMO	Belden 9907	LEMO	62	1110
Type V	SHV PLUG	Alpha Wire 9059C RED	SHV PLUG	55	510

1. Type I Cable assemblies

Type I Cable Assemblies – Label Contents

Variant	From	To	Number of Labels
A	TAGH-1	TAGH-190	190
B	PS-1	PS-50	50
C	ST-1	ST-40	40
D	TOF-N-1	TOF-N-44	44
E	TOF-S-1	TOF-S-44	44
F	TOF-UP-1	TOF-UP-44	44
G	TOF-DW-1	TOF-DW-44	44

Of the total of 470 Type I cable assemblies, 456 cables will have labels and 14 cables are to be supplied without labels.

2. Type II Cable assemblies

Type II Cable Assemblies – Label Contents

Variant	From	To	Number of Labels
A	TAGM-1	TAGM-120	120

Of the total of 130 Type II cable assemblies, 120 cables have will labels and 10 cables are to be supplied without labels.

3. Type III Cable assemblies

Type III Cable Assemblies – Label Contents – VARIANT A

Variant	From	To	Number of Labels
A	BCAL-1-U-A-0	BCAL-1-U-A-11	12
	BCAL-2-U-A-0	BCAL-2-U-A-11	12
	BCAL-3-U-A-0	BCAL-3-U-A-11	12
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	BCAL-48-U-A-0	BCAL-48-U-A-11	12
TOTAL			576

Type III Cable Assemblies – Label Contents – VARIANT B

Variant	From	To	Number of cables
B	BCAL-1-D-A-0	BCAL-1-D-A-11	12
	BCAL-2-D-A-0	BCAL-2-D-A-11	12
	BCAL-3-D-A-0	BCAL-3-D-A-11	12
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	BCAL-48-D-A-0	BCAL-48-D-A-11	12
TOTAL			576

Type III Cable Assemblies – Label Contents – VARIANT C

Variant	From	To	Number of Labels
C	BCAL-1-U-T-0	BCAL-1-U-T-7	8
	BCAL-2-U-T-0	BCAL-2-U-T-7	8
	BCAL-3-U-T-0	BCAL-3-U-T-7	8
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	BCAL-48-U-T-0	BCAL-48-U-T-7	8
TOTAL			384

Type III Cable Assemblies – Label Contents – VARIANT D

Variant	From	To	Number of Labels
D	BCAL-1-D-T-0	BCAL-1-D-T-7	8
	BCAL-2-D-T-0	BCAL-2-D-T-7	8
	BCAL-3-D-T-0	BCAL-3-D-T-7	8
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	BCAL-48-D-T-0	BCAL-48-D-T-7	8
TOTAL			384

Of the total of 1930 Type III cable assemblies, 1920 cables will have labels and 10 cables are to be supplied without labels.

4. Type IV Cable assemblies

All Type IV cable assemblies are to be supplied without labels.

5. Type V Cable assemblies

Type V Cable Assemblies – Label Contents

Variant	From	To	Number of Labels
A	TAGH-1	TAGH-190	190
B	PS-1	PS-50	50
C	ST-1	ST-40	40
D	TOF-N-1	TOF-N-44	44
E	TOF-S-1	TOF-S-44	44
F	TOF-UP-1	TOF-UP-44	44
G	TOF-DW-1	TOF-DW-44	44

Of the total of 510 Type V cable assemblies, 456 cables will have labels and 54 cables are to be supplied without labels.

Note that the similar labels are used on Type I and Type V cable assemblies.

Note that each cable within a cable type has a unique label. Examples of labels for each type are as follows:

Type I, variant D:	TOF-N-1, TOF-N-2, ..., TOF-N-44
Type II:	TAGM-1, TAGM-2, ..., TAGM-120
Type III, variant D:	BCAL-1-D-T-0, BCAL-1-D-T-1, ..., BCAL-1-D-T-7
Type V, variant G:	TOF-DW-1, TOF-DW-2, ..., TOF-DW-44.