

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH
1	CUSTOM DB25 FEMALE	DB25 FEMALE CONNECTOR (J1,J2) FOR UHV (PEEK)	2	
2	CUSTOM BACKSHELL	DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)	2	
3	C1	25 COND. (12 TW PAIR + 1 WIRE + SHIELD) CABLE WITH COPPER BRAID (SHIELD) AND PEEK OVERBRAID	1	120in +
4	GLENAIR 600-052	GLENAIR 600-052 STANDARD BRAID CLAMP (BAND - IT)	2	

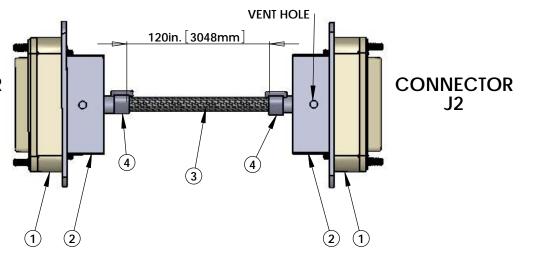
 * NOTE: USE WHATEVER LENGTH IS NECESSARY FOR THE INTERNAL WIRING OF THE CONNECTORS AND STRIP LENGTH TO ACHIEVE THE CORRECT OVERALL LENGTHS.

NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1. MATERIAL: a. CONNECTOR SHELL PEEK VICTREX 450GL30. b. BACKSHELL STAINLESS STEEL WITH VENT HOLE.

PEEK OVERBRAID

- c. CONTACTS BERYLLIUM COPPER ALLOY C17300
 0.00050 MIN. GOLD OVER NICKEL
 d. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED
 e. PEEK BRAID PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED SUPPLIED BY LIGO
- 2. CABLE 25 COND. 28 AWG, (40 STRD 44 AWG) WITH 2 LAYERS OF KAPTON TAPE 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + 1 WIRE OVERALL 40AWG COPPER BRAID 50% COVERAGE - SUPPLIED BY LIGO OVERALL PEEK BRAID MIN. 50% COVERAGE OVERALL CABLE O.D. WILL BE 0.240 IN.
- CONNECTORS WILL BE SUPPLIED WITH HARDWARE (LENGTH OF SCREWS AS SHOWN ARE APPROXIMATE SCREWS SHOULD BE THE PROPER LENGTH FOR PROPER MATING)



V25A-120 CABLE ASSEMBLY CIRCUIT SUMMARY V-DB25 F/1-120-DB25 F/S

CABLE NAME	COND WIRE ID	TWISTED PAIR	LENGTH *	FROM	ТО	
V25A-120	25 COND. CABLE	(12 TOTAL)	120 in.	Conn. J1	Conn. J2	
	W1	SHIELD	120 in	PIN 1	PIN 1	
	W2	TD 4	120 in	PIN 2	PIN 2	
	W14	TP-1	120 in	PIN 14	PIN 14	
	W3	TD 0	120 in	PIN 3	PIN 3	
	W15	TP-2	120 in	PIN 15	PIN 15	
	W4	TD 2	120 in	PIN 4	PIN 4	
	W16	- TP-3	120 in	PIN 16	PIN 16	
	W5	- TP-4	120 in	PIN 5	PIN 5	
	W17	1P-4	120 in	PIN 17	PIN 17	
	W6	TD F	120 in	PIN 6	PIN 6	
	W18	TP-5	120 in	PIN 18	PIN 18	
	W7	TP-6	120 in	PIN 7	PIN 7	
	W19	17-0	120 in	PIN 19	PIN 19	
	W8	TP-7	120 in	PIN 8	PIN 8	
	W20	IP-7	120 in	PIN 20	PIN 20	
	W9	TP-8	120 in	PIN 9	PIN 9	
	W21	IP-0	120 in	PIN 21	PIN 21	
	W10	TP-9	120 in	PIN 10	PIN 10	
	W22	IP-9	120 in	PIN 22	PIN 22	
	W11	TP-10	120 in	PIN 11	PIN 11	
	W23	17-10	120 in	PIN 23	PIN 23	
	W12	TP-11	120 in	PIN 12	PIN 12	
	W24	117-11	120 in	PIN 24	PIN 24	
	W13	TP-12	120 in	PIN 13	PIN 13	
	W25	IP-12	120 in	PIN 25	PIN 25	
The length shown in this list is	the length of th	ne cable betw	een the two	onnectors A	dd additional	

* The length shown in this list is the length of the cable between the two connectors. Add additional length as necessary for the internal wiring of the connectors and strip length.

V-DB25 F/1-120-DB25 F/S										
STANDARD USE FOR THIS CABLE										
SUBSYSTEM	AIR/VAC	STANDARD USE								
SEI	IN-VAC	GS-13,L-4C								

_																	
											UNLESS OTHERWISE SPECIFIED		NAME	DATE	LIGO	California Institute	of Technology
											DIMENSIONS ARE IN INCHES		E.BROWN			Massachusetts Institute	
[CHECKED	B.ABBOTT	MAY/5/10			_
I												ENG APPR.			CU	STOM CABLI	Ē
ĺ											THREE PLACE DECIMAL ±	MFG APPR.			SPE	CIFICATION	
											MATERIAL	Q.A.				5A-120	
Ī												COMMENTS	5:		V Z	3A-12U	
	DWG. NO.	DWG. NO. DESCRIPTION DWG. NO. DESCRIPTION			NEXT ASSY	USED ON	FINISH	SEI (SUBSYSTEM)		SZZE DWG. NO. LIGO-D1000222- V3							
	REFERENCE DRAWINGS						APPLIC	ATION	DO NOT SCALE DRAWING	(,		SCALE:1:1	WEIGHT:	SHEET 1 OF 1			