

Wiring of supply DC lines for cryogenic amplifiers

rack on top of the cryostat		Between rack and top plate at 300K		Top plate 300K	Between 300K plate and 70K plate		
Phillipe Pace 's DC line supply box		One Fischer cable		Airtight Fischer connector	Quad-twisted manganin wire		
Interface		Pair	Cable numbering	Connector numbering	Quartet	Pair	Color
		1	1	1	Q1	A	green
			2	2			red
		2	3	3 Broken	Broken	B	yellow
			4	4			green
Face Ampli Cryo N°2	Button UDS	3	5	5	Q2	A	green
	Button UG2		6	6			red
	Button UG1	4	7	7		B	yellow
			8	8			green
Face Ampli Cryo N°1	Button UDS	5	9	9	Q3	A	green
	Button UG2		10	10			red
	Button UG1	6	11	11		B	yellow
			12	12			green
Connector BNC BF1 VS	Inner conductor	7	13	13	Q4	A	green
	Outer conductor		14	14			red
Connector BNC BF1 VD	Inner conductor	8	15	15		B	yellow
	Outer conductor		16	16			green
Connector BNC BF2 VS	Inner conductor	9	17	17	Q5	A	green
	Outer conductor		18	18			red
Connector BNC BF2 VD	Inner conductor	10	19	19		B	yellow
	Outer conductor		20	20			green
		11	21	21	Q6	A	green
			22	22			red
		12	23	23		B	yellow
			24	24			green

70K plate (1st stage of Pulse Tube)	Between 70K plate and 4K plate						4K plate (2nd stage of Pulse Tube)	
Jaw through the plate	Quad-twisted manganin wire			wire wound on thermalisation pillar			Amplifier	
	Quartet	Pair	Color	Quartet	Pair	Color	Serial number	Way
	Q1	A	green	Q3		green	LNF 731B	VD - orange
			red		B	yellow		VG - yellow
	Broken	B	yellow	Shorten with the pillar		green		X
			green		A	red		GND - red
	Q2	A	green	Q2	A	green	Caltech 552D	VD
			red			red		VG2
		B	yellow		B	yellow		VG1
			green			green		GND
	Q3	A	green	Q1	A	green	Caltech 919D	VD
			red			red		VG2
		B	yellow		B	yellow		VG1
			green			green		GND
	Q4	A	green	Q4	A	green	BF1 & BF2 via a Tee	VS
			red			red		GND
		B	yellow		B	yellow		VD
			green			green		GND
	Q5	A	green	Q5	A	green	BF un-named	VS
			red			red		GND
		B	yellow		B	yellow		VD
			green			green		GND
	Q6	A	green	Q6	A	green	LNF 705B	VD - orange
			red			red		VG - yellow
		B	yellow		B	yellow		X
			green			green		GND - red