

## Cables and Connectors Status: 14 / 04 / 2014

Cablotheque\_LHC4G-LS13\_14-04-14.xlsx

### ALL BI CABLES

#	Cable			At Rack			At BGV		Status	
	Purpose	Qty.	Type	Routing Front/Back	End Point	Connector	End Point	Connector	Cable	Connector
1	L0 HV	6	CBH50	Middle	22U @ BY13	1HVPF	9772+7 or 9776.5+2.5	1HVPF		
2	L0 SIGNAL	12	CK50 or CB50	Middle	22U @ BY13	1N50PMI or 1B50PMB	9772+7 or 9776.5+2.5	1N50PMI or 1B50PMB		
3	<b>ANALOG LINKS (L = 60 m)</b>	36	*MCB32 <b>04.21.44.160.2</b>	Front	39U @ BY14	<b>36P Dsub MicroD male</b>	9772+7 or 9776.5+2.5	<b>36P Dsub MicroD male</b>	Available at b. SD4	Mounted
4	<b>CONTROL SIGNALS PART 1 (L = 30 m)</b>	9	*MCB36 <b>04.21.44.180.6</b>	-	@ EoCT (UA43 side)	<b>36P Dsub MicroD male</b>	9772+7 or 9776.5+2.5	<b>36P Dsub MicroD male</b>	Available at b. SD4	Mounted
5	<b>CONTROL SIGNALS PART 2 (L = 30 m)</b>	9	*MCB36 <b>04.21.44.180.6</b>	Front	39U @ BY14	<b>36P Dsub MicroD male</b>	EoCT (UA43 side) + 2	<b>36P Dsub MicroD male</b>	Available at b. SD4	Mounted
6	<b>LOW VOLTAGE (Roll = N * 62 m)</b>	9	*NG28 <b>04.21.52.228.7</b>	Back	1U + 2M @ BY14	<b>Screw term.</b>	9772+7	<b>Screw term.</b>	Available at b. SD4	No connector needed
7	<b>LOW VOLTAGE SENSE (Roll = N * 60 m)</b>	3	*MCA26 <b>04.21.48.326.7</b>	Back	1U + 1M @ BY14	AMP connector	9772+7	<b>Screw term.</b>	Available at b. SD4	Mount after cabling (Raymond)
8	<b>SIPM BIAS VOLTAGE (L = 60 m)</b>	3	*SHT56 <b>SABIX D315 FRNC</b>	Back	1U + 2M @ BY14	<b>25P Dsub male solder/crimp</b>	9772+7	<b>25P Dsub female solder/crimp</b>	Available at b. SD4	Mounted Note: male connector on rack side!
9	<b>SCIFI TEMP. READOUT (Roll = N * 60 m)</b>	10	* <b>04.21.22.734.9</b>	Front	6U + 2M @ BY14	<b>34P DIN41651 female crimp</b>	9772+7	<b>34P DIN41651 female crimp</b>	Available at b. SD4	Mounting by EMTE; Connectors provided to EN/EL
10	GAS TANK TEMP / COOLING	4	NE26	Back	1U @ BY12	28BPMB	9772+7	28BPMB		
11	MULTI PURPOSE	5	VA8D / CAT6	Back	1U @ BY13	8IPMB	9772+7	8IPMB		

#### Total number of cables: 106

- All cables provided by the BGV team are now ready and stocked at P4 (bat. SD4)
- To be provided by EN-EL / EMTE: 6 + 12 + 4 + 5 = 27