| | | | | | | SENSOR -> PATCH PANEL | | | | | | | | | | PATCH PANEL -> FLANGE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Measurement - Instrum. | Pictures | 3m x 3m section (nb. Sensors) | Price (unit) | Total Price | Cables | SCEM | Pictures | Nombre de cable | Lenght | Price (unit) | Total Price | Diameter | Connector on PP in | Patch Panel | Connector on PP out | Cables | SCEM | Pictures | Nombre de cable | Lenght | Price (unit) | Total Price | Diameter | Flanges | Pictures | Comment |
| x4 | Temperature (6 PCB composed by 6 Pts 1K on the CRP) | | 6 | 200 | 1200 | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.450.8 | | 3 | | 7 | 21 | 63.5mm | SUBD 50 pins | Patch Panel 1 | SUBD 50 pins | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.450.8 | | 3 | | 7 | 0 | 63.5mm | SUBD 50 pins | | |
| | Temperature for heaters (Pts 1K for regulation loop with heaters) | | 4 | 20 | 80 | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.416.0 | | 1 | | 7 | 7 | 21mm | SUBD 50 pins | | SUBD 50 pins | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.416.0 | | 1 | | 7 | 0 | 21mm | SUBD 50 pins | | |
| | Capacitive level meters | | 4 | | 0 | CABLE COAXIAL 50 OHM - FAIBLE PERTE - TYPE C-50-11-1 | 04.61.11.265.8 | | 8 | | 5 | 40 | 4.2mm | SMA | | SMA | CABLE COAXIAL 50 OHM - FAIBLE PERTE - TYPE C-50-11-1 | 04.61.11.265.8 | | 8 | | 5 | 0 | 4.2mm | SMA | | |
| | Distance meters | | 3 | | 0 | CABLE COAXIAL 50 OHM - FAIBLE PERTE - TYPE C-50-11-1 | 04.61.11.265.8 | | 6 | | 5 | 30 | 4.2mm | SMA | | SMA | CABLE COAXIAL 50 OHM - FAIBLE PERTE - TYPE C-50-11-1 | 04.61.11.265.8 | | 6 | | 5 | 0 | 4.2mm | SMA | | |
| CRP_INS_1, CRP_INS_2, CRP_INS_3, CRP_INS_4 | Heaters (resistor with sheet size to avoid liquid on CRP) - 48Vac | | 4 | 350 | 1400 | FIL DE CABLAGE ELECTRONIQUE 1,5 mm2, SOUPLE - FAIBLE ENCOMBREMENT | 04.01.61.900.1 |  | 8 | | 4 | 32 | 1.5mm | AMPHEMOL MDC 10 pins | | AMPHEMOL MDC 10 pins | FIL DE CABLAGE ELECTRONIQUE 1,5 mm2, SOUPLE - FAIBLE ENCOMBREMENT | 04.01.61.900.1 | | 8 | | 4 | 0 | 1.5mm | AMPHEMOL MDC 10 pins | | |
| | HV LEM | | 72 | 0 | 0 | kapton insulated KAPW50ohm or micro coax | 04.61.11.010.9 |  | 72 | | 8 | 576 | 2.1mm | MACOR own Design | Patch Panel 2 | MACOR own Design | kapton insulated KAPW50ohm or micro coax | 04.61.11.010.9 |  | 72 | | 8 | 0 | 2.1mm | SHV | | |
| | Extraction Grid/FFS | | 4 | 0 | 0 | kapton insulated KAPW50ohm or micro coax | 04.61.11.010.09 |  | 4 | | 8 | 32 | 3.2mm | MACOR own Design | | MACOR own Design | kapton insulated KAPW50ohm or micro coax | 04.61.11.010.09 |  | 4 | | 8 | 0 | 3.2mm | BNC | | |

| | Measurement - Instrum. | Pictures | nb. Sensors | Price (unit) | Total Price | Cables | SCEM | Pictures | Nombre de cable | Lenght | Price (meter) | Total Price | Diameter | Flanges | Pictures | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| x2 | Chain of Pts (2 composed by 12 Pts) | | 24 | 800 | 800 | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.450.8 | | 2 | | 7 | | 63.5mm | SUBD 50 pins | | |
| | Purity Monitor | | 1 | | | Maybe on another flange ? | | | | | | | | | | |
| | PMTs | | 18 | | | kapton insulated KAPW50ohm | 04.61.11.010.9 |  | 18 | | 8 | | 2.1mm | SHV | | |
| | Heaters on the bottom | | | 400 | | FIL DE CABLAGE ELECTRONIQUE 1,5 mm2, SOUPLE - FAIBLE ENCOMBREMENT | 04.01.61.900.1 |  | | | 4 | | 1.5mm | AMPHEMOL MDC 10 pins | | Numbers of heaters on bottom need to be define |
| TANK_INS_1, TANK_INS_2 | Temperature for heaters (Pts for regulation loop with heaters) | | | 20 | | CABLES PLATS PAIRES TORSADEES POUR IDC - PAS 1,27 mm | 04.21.22.416.0 | | | | 7 | | | SUBD 50 pins | | Depends on heaters number |
| | LEDs - 12/15 Vdc according ambiant temperature | | 3 | 40 | | FIL DE CABLAGE ELECTRONIQUE 1,5 mm2, SOUPLE - FAIBLE ENCOMBREMENT | 04.01.61.900.1 |  | 6 | | 4 | | 1.5 | AMPHEMOL MDC 10 pins | | Maybe some additionnal on the bottom |
| | Cameras | | | | | Raspberry CSI cable camera | NO | | | | | | | SUBD 50 pins | | Number and position need to be define |
| | Coaxial Level meters | | 1 | | | | | | 1 | | | | ?? | | | |
| | Pressure | | 1 | | | DIRECT | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HVFT_1 | HV cathode | | 1 | | | NO | NO | NO | NO | NO | NO | NO | NO | Dedicated | Dedicated | |
| SGFT_INS_1, SGFT_INS_2, SGFT_INS_3, SGFT_INS_4, SGFT_INS_5, SGFT_INS_6, SGFT_INS_7, SGFT_INS_8, SGFT_INS_9 | | | | | | | | | | | | | | | | |