

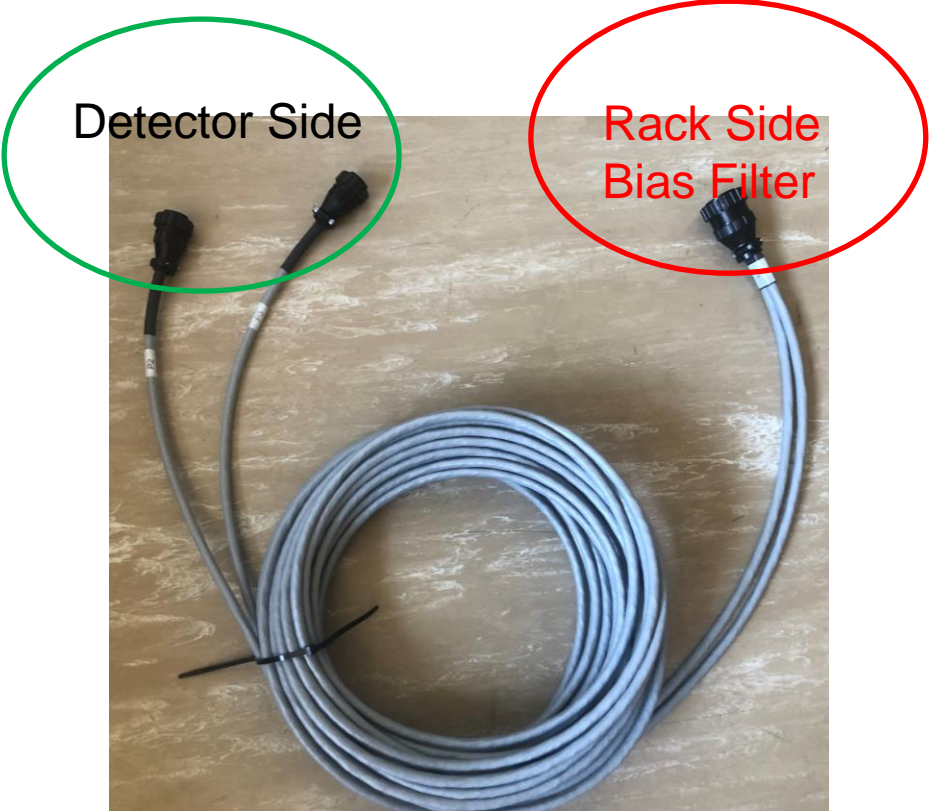
INTT power cables LV and HV

item	function	item	length	Qty. needed (available)	spares	Cable reference	Material	Assembly	Delivery date	Status
1	HV	HV module- Filter	1.5m	16 (16)	1	REDEL S (SAA.H51.LLAB1G)	✓ on hand	✓ done	available	Installed
2	HV	Filter – ROC, trunk	10m	16 (0)	2	Belden 1050A 18 AWG 8 Pair Individually Shielded/Overall Foil Shield Tray Cable 600V, 180 *2=360 m	✓ on hand	✓ done	available	Installation in progress
3	HV	Trunk– ROC, flex	2m	32 (37)	2	RG-174, 36 m (*8)	✓ on hand	✓ Done	available	✓ done
4	LV	ROC power, trunk	10m	16(0)	2	#14-25C THHN-PVC Shielded Tray 200 m => 700 ft → 1kft	✓ 02/06	✓ will be assembled at BNL		
5	LV	ROC power, flex	2m	16(0)	2	#18-25C TRAYCONTROL Tray, 63055. 40 m =>150 ft	✓ 02/06	✓ will be assembled at BNL		
6	LV	Chips power, trunk	11m	64(0)	4	#16-8 pair PVC jacket Shielded Tray Cable KC electronics P/N 6608SPOS, ADVANCED DIGITAL CABLE Inc 800 m => 2700 ft	✓ on hand	✓ shipped to company on 02/02/2022		
7	LV	Chips power, flex	1m	64(0)	4	#22-9pair BELDEN 9520 100 m => 500 ft	✓ on hand	✓ Shipped to the company on 02/02/2022		

INTT power available: HV cables (Filter-ROC) Need to be installed

item	Cables	Item	Length	Diameter	Qty. needed (spares)	South Side Rack ID: 2W1 INTT		North Side Rack ID: 2W3 INTT	
2	HV	Filter – ROC, trunk	10 m	¾ inches	16 (2)	8+1 Labels: 1-9	Bundling: <ul style="list-style-type: none">• 1 to 5• 6 to 9	8+1 Labels: 10-18	Bundling: <ul style="list-style-type: none">• 10 to 14• 15 to 18

18 cables, labeled



Connections Mapping for Item-2

Rack South: 2W1 INTT

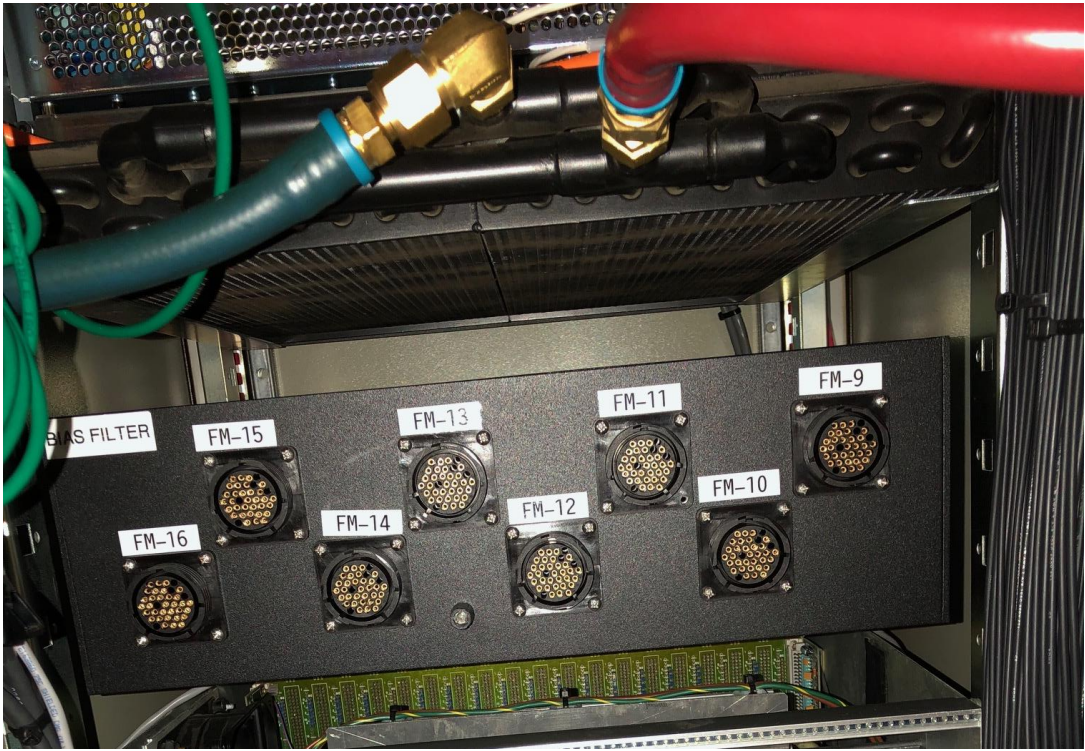
Cable ID	Connector in Bias Filter
1	FM-1
2	FM-2
3	FM-3
4	FM-4
5	FM-5
6	FM-6
7	FM-7
8	FM-8
9	spare



Connections Mapping for Item 2 HV cables (Filter to the ROC)

Rack North: 2W3 INTT

Cable ID	Connector in Bias Filter
10	FM-9
11	FM-10
12	FM-11
13	FM-12
14	FM-13
15	FM-14
16	FM-15
17	FM-16
18	spare



Optical Fibers

Item	Shipping Status	Obs:
Breakout cables (15 m)	100% arrived at BNL on Jan/30	Quantities OK
Acqua and Orange "small fibers"	100% arrived at BNL on Jan/27	Quantities OK
MTP48 Patch Panels	100% arrived at BNL on Jan/27	Quantities OK
Breakout Box	100% arrived at BNL on Feb/1	ok
MTP48 (5m)	Will be shipped this week	
MTP48 (58m)	13 cables will be shipped this week, the other 6 on or around Feb/17	

- Broken bias voltage cables in the barrels:
 - B0L005N was fixed and tested (good results)
 - B0L106S was fixed and not tested yet
- Barrels Test almost done with mapping:
- Concern we have only 14/16 ROCs working properly
- ROCs Issues:
 - ROCs 21 and 26 not working (not enough good ports)
 - Instrumentation has big challenge to replace TLK chips for ROCs 9, and 18 (ROC #18 was burned)
Donald Pinelli and Joe told us it's high risks operation.
 - We need ROCs from other INTT institutions
- INTT installation is moving forward toward February but date was not set yet.