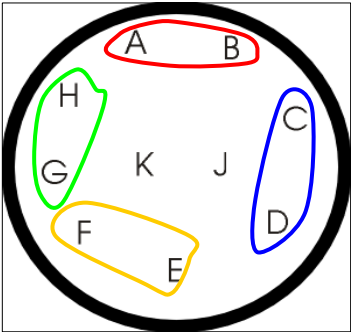


# AMBER-SPG CABLING

## External Heaters

## Connectors C7M and C7F

**C7M**  
Cryostat  
side



### RS CATALOGUE

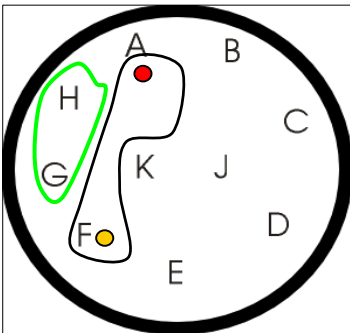
<b>Base</b>	<b>62GB-12E-12-10P</b>	Male	<b>C7M</b>
Rs code	450-219		
<b>Straight Plug</b>	<b>62GB-56T-12-10S</b>	Female	<b>C7F</b>
Rs code	450-376		
<b>cable holder</b>	<b>62GB-585-12-10S</b>		
Rs code	450-534		

**Connector**  
**C7M**

**Function**

1 A	Heater5+	Input window heater #1
2 B	Heater5-	
3 C	Heater6+	Input window heater #2
4 D	Heater6-	
5 E	Heater7+	Input window heater #3
6 F	Heater7-	
7 G	Heater8+	Upper cryostat box heater
8 H	Heater8-	
9 K		
10 J		

**C7F**  
cable  
side



**Connector**  
**C7F**

**Function**

1 A	Heater5+	HeaterSeries+
2 B		
3 C		
4 D		
5 E		
6 F		
7 G		
8 H		
9 K		
10 J		

(note: the heaters 5, 6, 7 are in series)

Heater7-	HeaterSeries-
Heater8+	Upper cryostat box heater
Heater8-	

**NOTE:** Connector C7M is outside the cryostat box and is a male type  
Connector C7F is the corresponding female connector on the cable side

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Heaters 5 , 6 , 7 are connected in series on connector C7M (i.e. on the cryostat side)  
The overall power dissipated on the three heaters connected in series is foreseen to be about 5 Watts  
(50 V over 530 ohm)

Heater 8 must dissipate about 15 Watts(50 V over 176 ohm)

