

**BILL OF MATERIALS**

ITEM	QTY	SUPPLIER	SUPPLIER P/N	DESCRIPTION	RACELOGIC P/N
1	1	HIROSE	HR30-6P-6P(31)	HIROSE 6 WAY PLUG	142-5745
2	A/R	PRO POWER	SP3X15/5/BLACK	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	20mm	PRO POWER	13636	HEATSHRINK BK 2:1 4.8mm	100-8431
4	A/R	CAMBERTRONICS	637-078	7-2-6S BLACK CABLE	7-2-6S BLK
5	1	AVERY	J8658-26	CABLE IDENT ON 25.4 X 10mm LABEL	
6	30mm	PRO POWER	CGFC-6/2-X	HEATSHRINK CLEAR 6mm 3:1	304-6539

**CONNECTION TABLE**

HIROSE	FUNCTION	COLOUR
1	OLED Rx RS232	GREEN
2	OLED Tx RS232	YELLOW
3	GROUND	BLACK
4	CAN L	WHITE
5	CAN H	BLUE
6	POWER	RED

- Fit the Hirose connector as per the instructions below (referencing the connection table).

- Fit the cable label and the clear heatshrink.

- Strip back the outer insulation on the unterminated end cover the transition with 20mm of item 3 then, strip and tin the last 5mm of the wires.

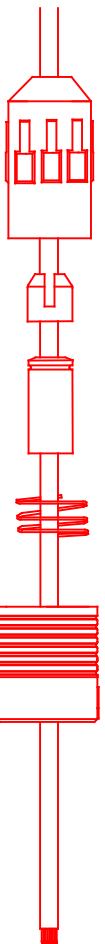
- Shrink the clear heatshrink.

- Ensure Hirose connector back shell is fully tightened.

**LENGTH VARIANTS**

CABLE NAME	LENGTH
RLCAB164	2m +/- 20mm
RLCAB164-3	3m +/- 20mm

DRAWING NUMBER	RLCAB164-x	DRAWN	H.HUSSAIN	SHEET	1/2
DESCRIPTION	6 WAY HIROSE TO UNTERMINATED				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
5	LENGTH VARIANT TABLE ADDED	10/10/24	SH	24027	



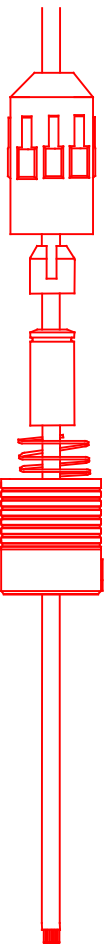
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-Strip and tin 3mm from each wire

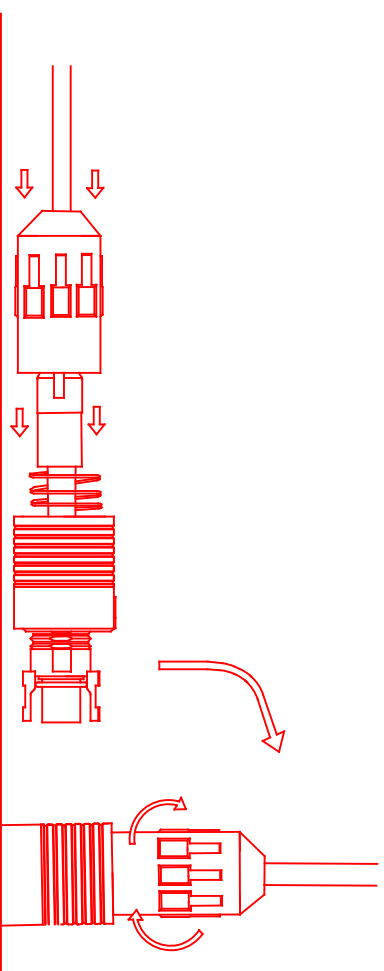
-Assemble the connector parts on the cable in the order and orientation shown

-Solder connector on as per the connection table insulate all joints with item 2.

-Slide/assemble the connector components together, ensuring that the Hirose connector back shell is fully tightened.



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DRAWING NUMBER	RLCAB164-x	DRAWN	H.HUSSAIN	SHEET	2/2
DESCRIPTION	6 WAY HIROSE TO UNTERMINATED				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
5	LENGTH VARIANT TABLE ADDED	10-10-24	SH	24027	