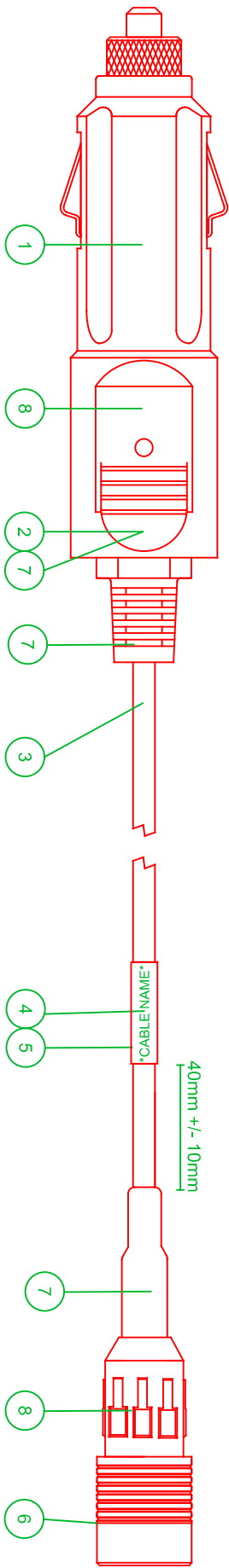
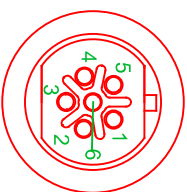


VARIANT DEPENDENT - SEE TABLE



- Notes:
- Pass the cable (item 3) through the grommet (on item 1).
  - Strip back the cable jacket leaving about 10mm inside the grommet.
  - Insulate the cable drain wire with a ~20mm piece of heatshrink (item 8).
  - Shrink a 10mm piece of heatshrink (item 7) over the cable just inside the grommet.
  - Fit a small cable tie (item 2) over the heatshrink to prevent the cable from being pulled back through the grommet.
  - Connect item 1 as per the connection table.
  - Pass the length of clear heatshrink (item 5) over the end of the cable.
  - Affix the cable label (item 4) to the cable in the position shown ensuring that the label (item 4) reads from left to right from HIROSE end.
- See page two for connecting the HIROSE.



WIRE ENTRY  
HIROSE

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	MANUFACTURER PN	DESCRIPTION	RACELOGIC PN
1	1	PRO POWER	PP01007	CIGAR PLUG WITH 3A FUSE	PP01007
2	1	PRO POWER	SPC35191	100mm X 2.5mm CABLE TIE	178-462
3	A/R	ALPHA WIRE	2461C BK	2 CORE + SCREEN BLACK CABLE 22AWG	
4	1	AVERY	J8658-26	CABLE IDENT 25.4 X 10mm LABEL	
5	30mm	PRO POWER	CGFC-6I2-X	HEATSHRINK CLEAR 6mm 3:1	304-6539
6	1	HIROSE	HR30-6P-6P(31)	HIROSE 6 WAY PLUG	142-5745
7	A/R	PRO POWER	SP48/RL/BLACK	HEATSHRINK 4.8mm 2:1 BK	100-8431
8	A/R	PRO POWER	SP3X15/5/BLACK	HEATSHRINK 1.5mm 3:1	119-1021

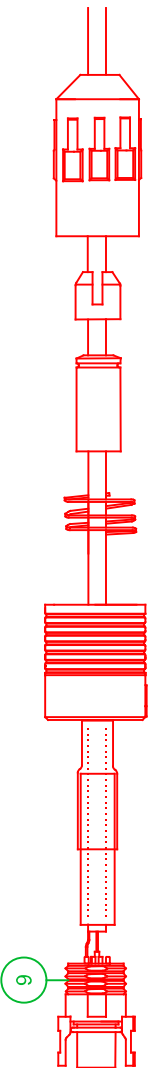
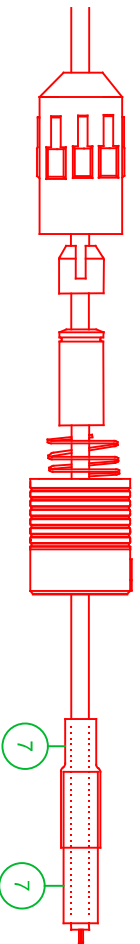
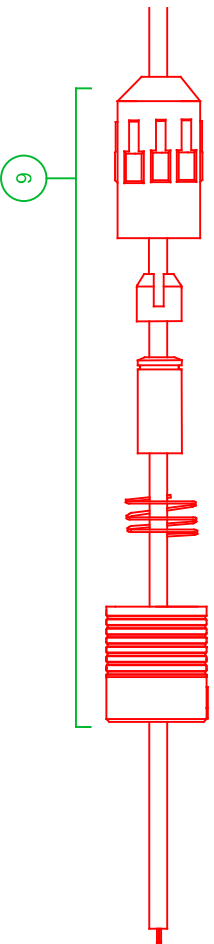
LENGTH VARIANTS

CABLE NAME	LENGTH
RLCAB165	2m +/- 20mm
RLCAB165-3	3m +/- 20mm

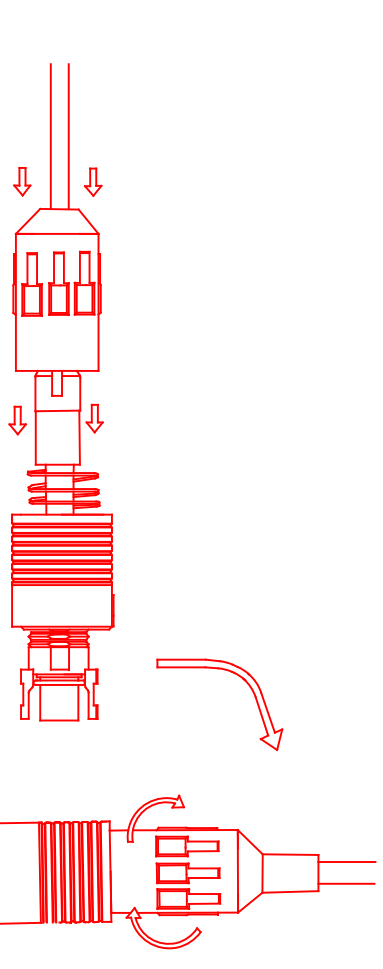
CONNECTION TABLE

CIGAR	WIRE	FUNCTION	PIN
	WIRE	POWER	6
	RED	POWER	6
	BLACK	GROUND	3
	SCREEN	SHIELD	N/C

DRAWING NUMBER	RLCAB165	DRAWN	H.HUSSAIN	SHEET	1/2
DESCRIPTION	CIGAR PLUG TO 6 WAY HIROSE PLUG				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
4	LENGTH VARIANT ADDED	08/09/22	SH	19801	



- Strip and tin 3mm from each wire.
- Assemble the connector parts on the cable in the order and orientation shown .
- Apply 30mm of item 7 heatshrink to end of cable.
- Apply 25mm of item 7 heatshrink overlapping 10mm of existing heatshrink.
- Solder connector on as per the connection table Insulate all joints with item 8.
- Slide connector components together and tighten as appropriate.
- Shrink the clear heatshrink (item 5) over the label ensuring that its edges are not jagged.



DRAWING NUMBER	RLCAB165	DRAWN	H.HUSSAIN	SHEET	2/2
DESCRIPTION	CIGAR PLUG TO 6 WAY HIROSE PLUG				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
4	LENGTH VARIANT ADDED	08/09/22	SH	19801	