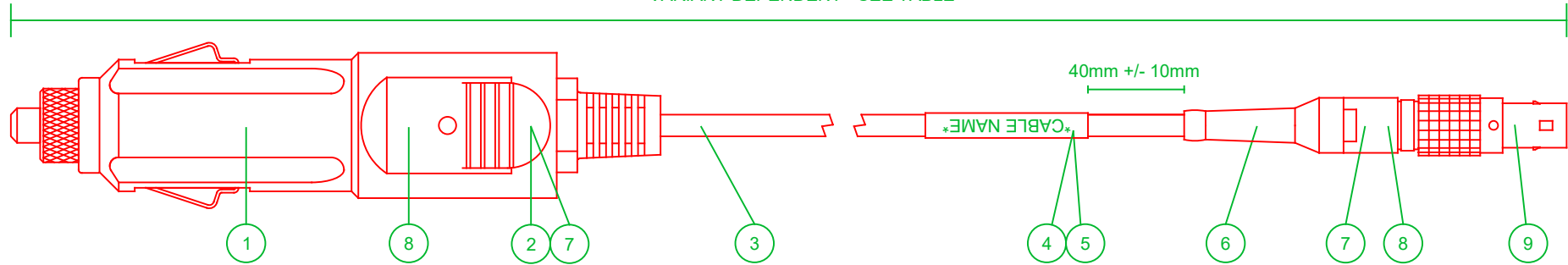
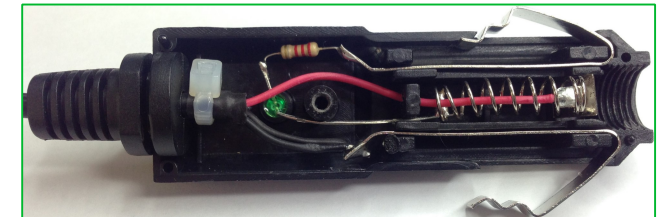
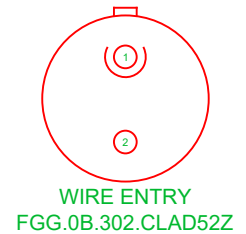


VARIANT DEPENDENT - SEE TABLE



Notes:

- Ensure that the LED positive leg (inside item 1) is soldered to the spring. Refer to photograph.
- Pass the cable (item 3) through the grommet (on item 1) far enough to allow the red wire to be connected to the solder tag at the opposite end of the spring.
- Strip back the cable jacket leaving about 10mm inside the grommet.
- Cut back the black wire and cable screen (drain wire) leaving enough length to connect both to the spring terminal opposite the resistor.
- 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. Refer to photograph.
- Solder the insulated drain wire and the black wire to the spring terminal opposite to the resistor. Refer to photograph.
- Pass the red wire through the spring and solder to the solder tag. Refer to photograph.
- Pass the length of clear heatshrink (item 5) over the end of the cable.
- At the LEMO end of the cable strip back the cable jacket and insulate the cable screen (drain wire) with a ~5mm piece of heatshrink (item 8).
- Connect the insulated drain wire to the LEMO connector shell and red and black wires to the LEMO contacts as indicated in the connector wiring table.
- Use heatshrink (item 8) to insulate LEMO connector solder joints.
- Fit heatshrink (item 7) under LEMO collet.
- 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 LEMO end.
- Shrink the clear heatshrink (item 5) over the label ensuring that its edges are not jagged.



BILL OF MATERIALS					
ITEM	QTY	MANUFACTURER	MANUFACTURER PN	DESCRIPTION	RACELOGIC PN
1	1	PRO-SIGNAL	PPW01046	CIGAR LIGHTER PLUG WITH GREEN LED	PPW01046
2	1	PRO POWER	SPC35191	100mm X 2.5mm CABLE TIE	178-462
3	A/R	BELDEN	8451	2 CORE BELDEN CABLE 22AWG	529-187
4	1	AVERY	J8658-26	CABLE IDENT ON 25.4 X 10mm LABEL	
5	30mm	PRO POWER	CGFC-6/2-X	HEATSHRINK CLEAR 6mm 3:1	304-6539
6	1	LEMOUK	GMA.0B.030.DN	BLACK LEMO SLEEVE	GMA.0B.030.D
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
9	1	LEMOUK	FGG.0B.302.CLAD52Z	2 WAY LEMO PLUG	LEMO 2WAY P

CONNECTION TABLE			
CIGAR			2 WAY LEMO
PIN	WIRE	FUNCTION	PIN
CENTRE	RED	POWER	1
SIDE CLIP	BLACK	GROUND	2
SIDE CLIP	SCREEN	SHIELD	SHELL

LENGTH VARIANTS	
CABLE NAME	LENGTH
RLCAB010LE	2m +/- 20mm
RLCAB010LE-3	3m +/- 20mm
RLCAB010LE10	10m +/- 100mm

DRAWING NUMBER	RLCAB010LE-x	DRAWN	B.SELBY	SHEET	1/1
DESCRIPTION	SCREENED LEMO 2 WAY TO 12V CIGAR LIGHTER				
REVISION					
ISS	DESCRIPTION		DATE	APPROVED	REDMINE
6	CIGAR PLUG CHANGE DUE TO INCORRECT FUSE PHYSICAL SIZE		03/03/20	SH	14983