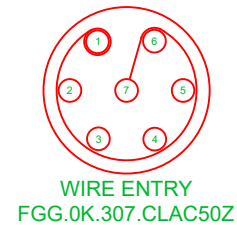


BILL OF MATERIALS				
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	BARRON CONTROL GEAR	ADC25IPCON	25 WAY D CONNECTOR
2	A/R	FARNELL	100-8431	HEATSHRINK 2:1 BK 4.8mm
3	A/R	ALPHA WIRE	3308 SL005	MULTICORE, SCREENED, 8 CORE, 28 AWG
4	30mm	FARNELL	304-6539	CLEAR HEATSHRINK
5	1	AVERY	J8658-25	25.4 x 10mm LABEL + CABLE IDENT
6	1	LEMO UK	GMA.0B.040.DG	LEMO GREY STRAIN BOOT
7	1	LEMO UK	FGG.0K.307.CLAC50Z	LEMO 7 WAY 0K PLUG - G KEYWAY
8	A/R	FARNELL	119-1021	HEATSHRINK 1.5/0.5
9	1	FARNELL	208-2473	FERRITE CORE (WURTH 74271132S)
10	1	LEMO UK	BRF.0K.200.NAS	LEMO 0K BLANKING CAP



LENGTH REQUIREMENTS			
CABLE NAME	LENGTH	TOLERANCE	CABLE
RLCAB176	3m	+/-20mm	3308 SL005
RLCAB176-5	5m	+/-20mm	3308 SL005
RLCAB176-10	10m	+/-20mm	3308 SL005
RLCAB176-12	12m	+/-20mm	3308 SL005

CONNECTOR WIRING			
25 WAY D			7 WAY PS
PIN	FUNCTION	COLOUR	PIN
12	IPS RS232 Tx	GREEN	3
13	IPS RS232 Rx	BLUE	4
11	1PPS	ORANGE	5
14	POWER	RED	6
17	GND	BLACK	7
SHELL	SHIELD	SHIELD	SHELL

DRAWING NUMBER	RLCAB176-x	DRAWN	A.GOLDMAN	SHEET	1/2
DESCRIPTION	VIPS ROVER TO VB3i, ADAS CABLE				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
2	IPS RX & TX Swapped	06/05/21	SH	17013	

NOTES:

-Cut 2 lengths of ITEM 3 as required *Note: cable for 7-way must be cut 0.12m longer than the required finished cable length to provide enough cable for ferrite loop.*

-Assemble 25-way end referencing the pin out. *Note: 7-way cable requires screen to be folded back. See Pictures 1 and 2*

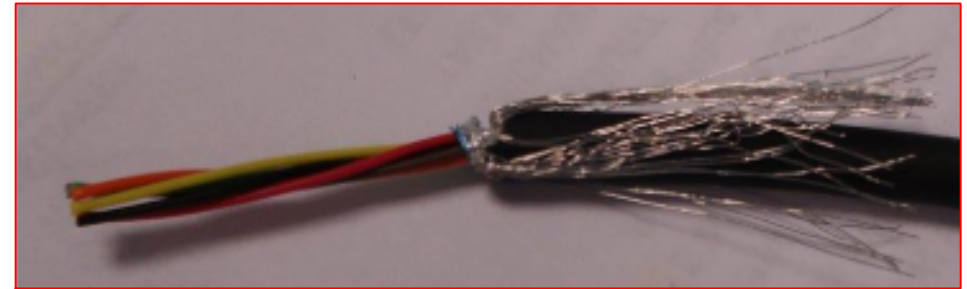
-Cut 7-way cable to the correct length and fit the Lemo connector. *Note: Remember the extra length to accommodate the ferrite.*

-Fit Ferrite

-Fit Label

-Fit ITEM 10

-Test



PICTURE 1



PICTURE 2

DRAWING NUMBER	RLCAB176-x	DRAWN	A.GOLDMAN	SHEET	2/2
DESCRIPTION	VIPS ROVER TO VB3i, ADAS CABLE				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
2	IPS RX & TX Swapped	06/05/21	SH	17013	