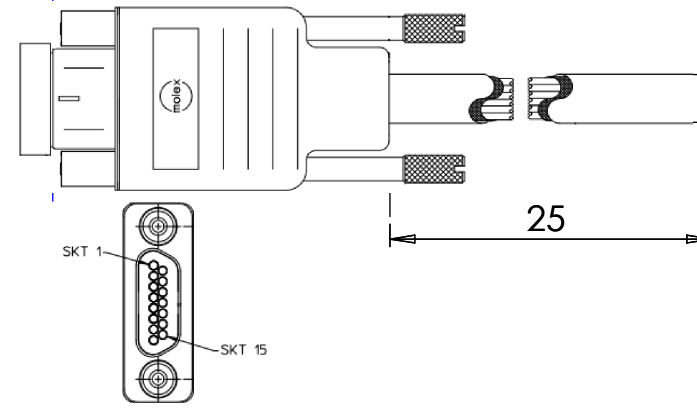
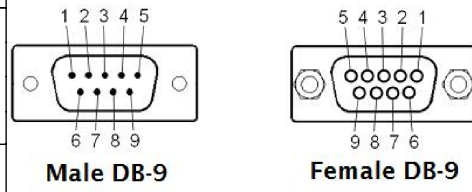
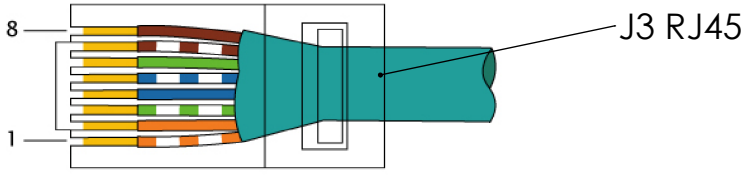
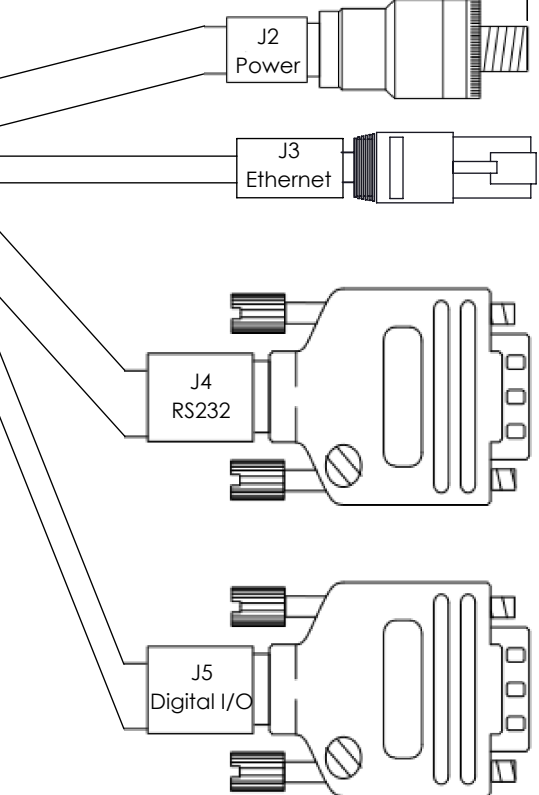


Pin	Function	Conn
1+2	Supply +	J1-1+2
3+4	Supply -	J1-14+15

Pin	Function	Conn
1	ETX+	J1-8
2	ETX-	J1-7
3	ERX+	J1-6
6	ERX-	J1-5

Pin	Function	Conn
2	RS232 Rx	J1-3
3	RS232 Tx	J1-4
5	Signal Ground	J1-11

Pin	Function	Conn
1	PPS	J1-12
2+3	I/O 1	J1-10
4+5	I/O 2	J1-9
6-9	Signal Ground	J1-13



J1 Pin no.	Wire colour from J1	Signal Description	Terminate to	Assembly Notes
5	YEL	ERX-	J3-6, GRN	Pre-moulded shielded FTP Ethernet cable to be used for J3 and joined to wires from J1 in centre joint. Part should be selected with similar look to that of cable from J1.
6	GRN	ERX+	J3-3, W/GRN	
7	BLU	ETX-	J3-2, ORG	
8	VIO	ETX+	J3-1, W/ORG	
1	BLK	Supply +	J2-1+2, RED	2 core 7/32 shielded cable to be terminated to J1 wires at centre joint. Must have red and black insulation on inner cores (red for supply +). Outer insulation to have similar look to cable from J1.
2	BRN			
14	W/ORG	Supply -	J2-3+4, BLK	
15	W/YEL			
3	RED	RS232 Rx	J4-2	Outer insulation to have similar look to cable from J1. No shielding required.
4	ORG	RS232 Tx	J4-3	
11	W/BLK	Signal Ground	J4-5	
12	W/BRN	PPS	J5-1	Outer insulation to have similar look to cable from J1. No shielding required.
13	W/RED	Signal Ground	J5-6 - 9	
9	GRY	I/O Signal 2	J5-4+5	
10	WHT	I/O Signal 1	J5-2+3	
Shield	Braid	Earth	Shields from J2&3's moulded cables to be joined to that of J1 at the centre joint. Join should also be shielded.	

DATE:	22/10/21	
DRAWN BY:	Maciej Romanski	
CHECKED BY:	Sean Bedford	
APPROVED BY:	---	
TITLE: xNAV650 Mobile Mapping Cable		DRAWING No: 14C0230
DIMENSIONS: mm DRAWING NOT TO SCALE		SHEET 1 OF 1 DRAWING REVISION: A