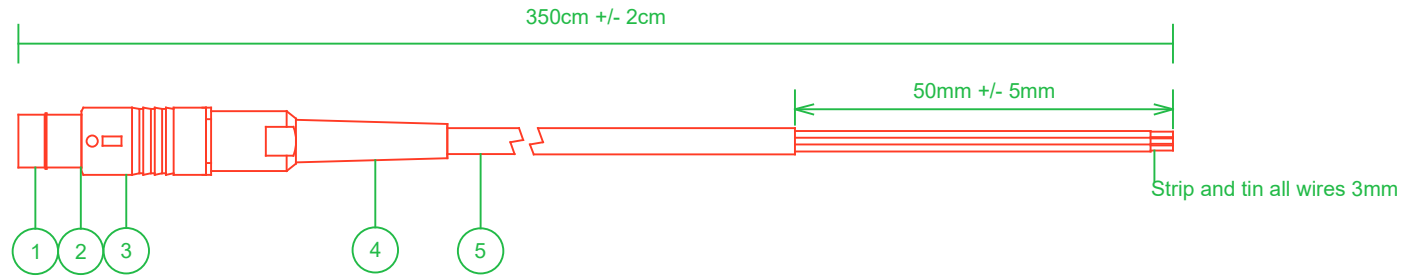
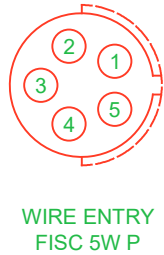


BILL OF MATERIALS - VBDSP05-L CABLE				
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	LEMO UK	FGG.OB.305.CLAD52Z	LEMO 5 WAY PLUG
2	A/R	FARNELL	119-1021	5mm lengths of HEATSHRINK 1.5/0.5
3	1	LEMO UK	GMA.OB.030.DN	LEMO BLACK STRAIN BOOT
4	A/R	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE

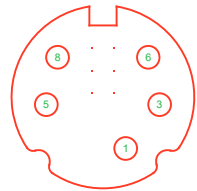
FUNCTION	WIRE COLOUR	5W LEMO
OLED RS232 Rx	YELLOW	1
OLED RS232 Tx	GREEN	2
CAN HIGH	BROWN	3
CAN LOW	ORANGE	4
POWER	RED	5
GND	BLACK	SHELL
N/C	SCREEN	SHELL



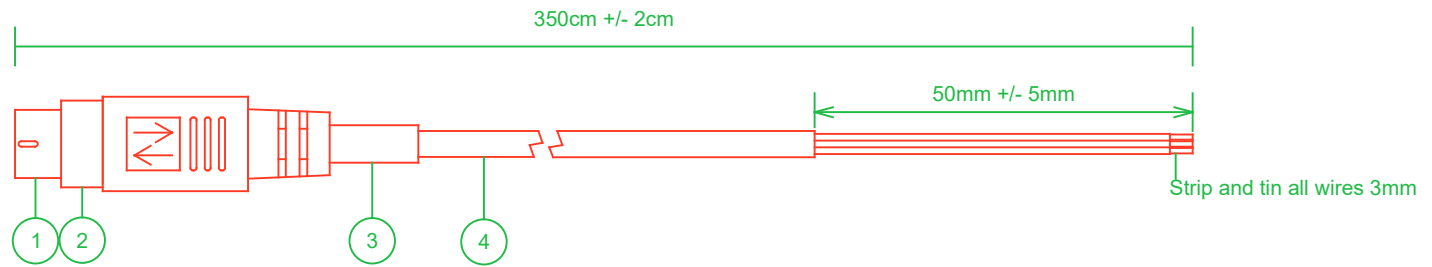
BILL OF MATERIALS - VBDSP05-F CABLE				
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	FISCHER	FISC 5W P	FISCHER 5 WAY PLUG
2	A/R	FARNELL	119-1021	5mm lengths of HEATSHRINK 1.5/0.5
3	1	FISCHER	FISC P CLAMP	FISCHER CABLE CLAMP
4	1	FISCHER	FISC BK STR	FISCHER STRAIN RELIEF
5	A/R	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE

FUNCTION	WIRE COLOUR	5W FISCHER
OLED RS232 Rx	YELLOW	2
OLED RS232 Tx	GREEN	3
CAN HIGH	BROWN	4
CAN LOW	ORANGE	5
POWER	RED	1
GND	BLACK	SHELL
N/C	SCREEN	SHELL

DRAWING NUMBER	DSP05CABLES	DRAWN	B.SELBY	SHEET	1/4
DESCRIPTION		5 WAY UNTERMINATED CABLE FOR VBDSP05			
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
13	Removal of staggered H/S under 6W Hirose	10-03-22	SH	18855	

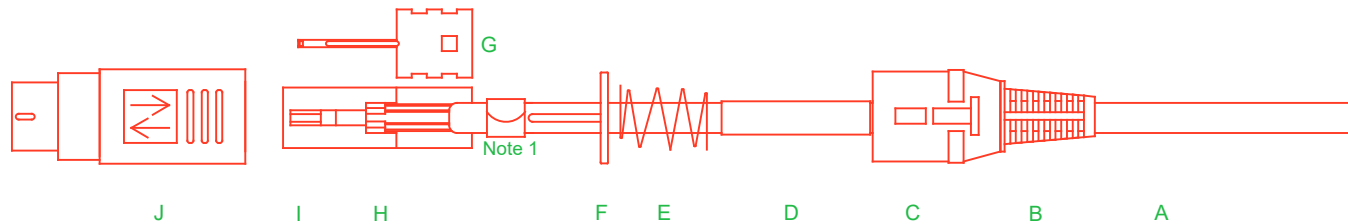


WIRE ENTRY
KMDLAX-5P



BILL OF MATERIALS - VBDSP05-M CABLE				
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	KYCON	KMDLAX-5P	LOCKING MINI DIN 5 WAY PLUG
2	A/R	FARNELL	119-1021	5mm lengths of HEATSHRINK 1.5/0.5
3	1	FARNELL	116-9023	H20X20 BLACK SLEEVING, 2MM BLACK
4	1	FARNELL	119-0212	7-2-4A, 4 CORE CABLE

FUNCTION	WIRE COLOUR	MINI DIN PIN
OLED RS232 Rx	YELLOW	1
OLED RS232 Tx	GREEN	3
N/C	N/C	6
POWER	RED	8
GND	BLUE	5



PARTS LIST

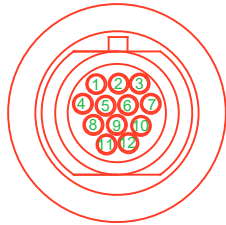
- A - Cable
- B - Strain Relief
- C - Rear Housing
- D - H20 X H20 Black Sleeving
- E - Coil Spring
- F - Plastic Guide
- G - Upper Body
- H - Pin Block
- I - Lower Body
- J - Forward Housing

This procedure is to ensure that the building of this cable/assembly is consistent.

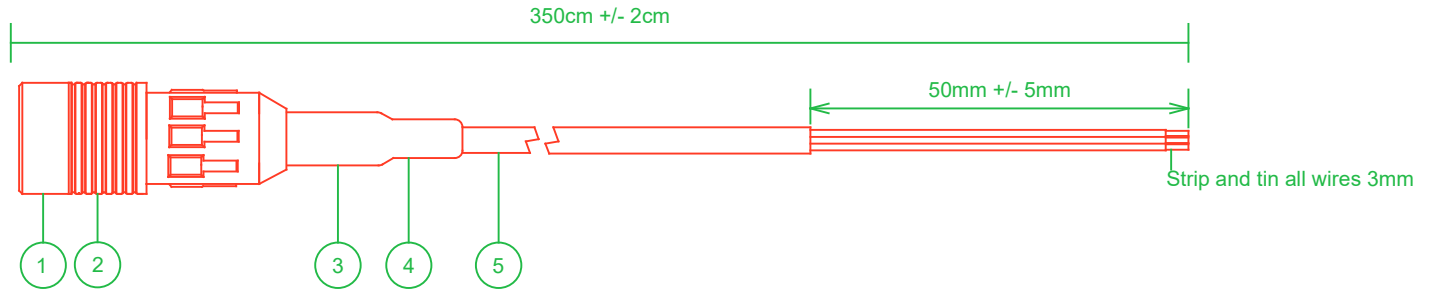
- Slide the parts onto the cable as shown above excluding part 'J' as this will be pushed on last.
- Solder the wires into (H)
- Clamp the cable (Note 1) onto 'I' using a pair of plyers to fold the wings around followed by crimping using the orange handled antenna crimp tool.
- Slide down 'F' onto 'I'
- Fit 'G' onto 'I' then Fit 'E' over the whole of 'I'
- Slide the 'Black Sleeving' down so it sits up against the wings of 'I'
- Slide 'C' down over the 'Black Sleeving' ensuring that the 'Black Sleeving' is partially sticking out from 'B'
- Finally push (J) over assembled connector

Refer to <http://www.toby.co.uk/datasheets/section1/kmdlax-xp.pdf> for any further information on MiniDIN assembly

DRAWING NUMBER	DSP05CABLES	DRAWN	B.SELBY	SHEET	2/4
DESCRIPTION	5 WAY UNTERMINATED CABLE FOR VBDSP05				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
13	Removal of staggered H/S under 6W Hirose	10-03-22	SH	18855	



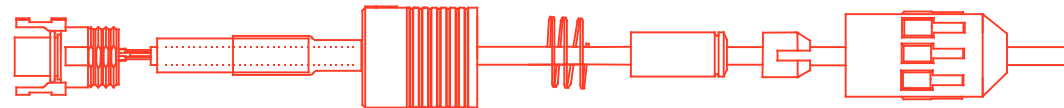
WIRE ENTRY HIROSE



FUNCTION	WIRE COLOUR	HIROSE
N/C	N/C	1
N/C	N/C	2
N/C	N/C	3
N/C	N/C	4
N/C	N/C	5
CAN HIGH	BROWN	6
CAN LOW	ORANGE	7
N/C	N/C	8
OLED RS232 Tx	GREEN	9
OLED RS232 Rx	YELLOW	10
POWER	RED	11
GND	BLACK	12

BILL OF MATERIALS - VBDSP05-H CABLE

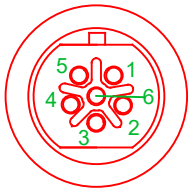
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	HIROSE	HR30-8P-12P	HIROSE 12 WAY PLUG
2	A/R	FARNELL	119-1021	5mm lengths of HEATSHRINK 1.5/0.5
3	A/R	FARNELL	100-8431	HEATSHRINK 2:1 BK 4.8MM
4	A/R	RS	157-3795	HEATSHRINK 6/2 ADHESIVE LINED
5	A/R	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE



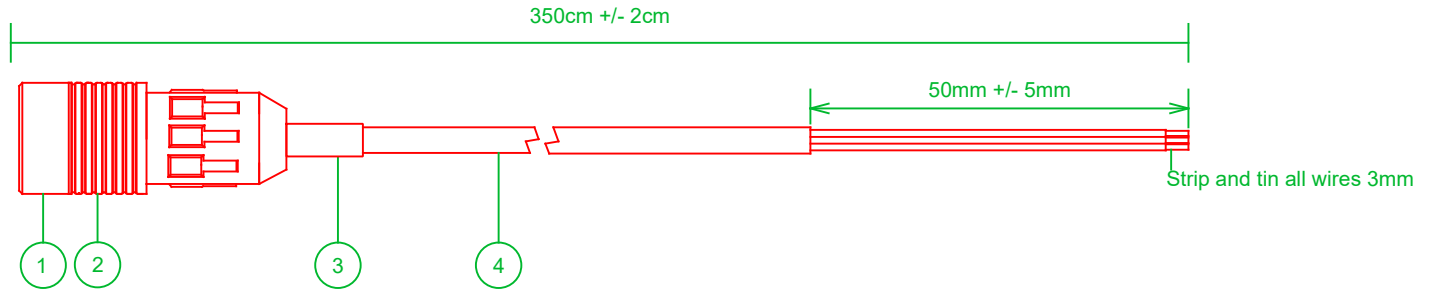
This procedure is to ensure the building of this cable is consistent;

- Strip and tin 6mm from each wire
- Assemble the connector parts on the cable in the order and orientation shown
- Apply 1 x 20mm piece of H/S (100-8431) over end of outer insulation
- Apply 2 x 20mm pieces of H/S (157-3795) staggered to the connector end
- Solder connector head to wires noting orientation and wiring specifications previously mentioned
- Cover joints with item 2
- Slide connector components together and secure tightly

DRAWING NUMBER	DSP05CABLES	DRAWN	B.SELBY	SHEET	3/4
DESCRIPTION		5 WAY UNTERMINATED CABLE FOR VBDSP05			
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
13	Removal of staggered H/S under 6W Hirose	10-03-22	SH	18855	

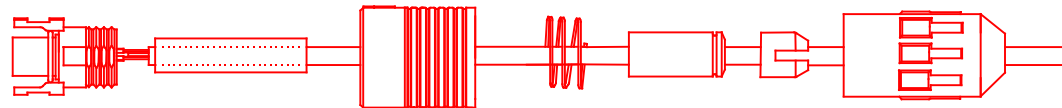


WIRE ENTRY HIROSE



BILL OF MATERIALS - VBDSP05-H2 CABLE				
ITEM	QTY	SUPPLIER	PART NUMBER	DESCRIPTION
1	1	HIROSE	HR30-6P-6P	HIROSE 6 WAY PLUG
2	A/R	FARNELL	119-1021	5mm lengths of HEATSHRINK 1.5/0.5
3	A/R	FARNELL	100-8431	HEATSHRINK 2:1 BK 4.8MM
4	A/R	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE

FUNCTION	WIRE COLOUR	HIROSE
OLED RS232 Tx	GREEN	1
OLED RS232 Rx	YELLOW	2
GND	BLACK	3
CAN LOW	ORANGE	4
CAN HIGH	BROWN	5
POWER	RED	6



This procedure is to ensure the building of this cable is consistent;

- Strip and tin 6mm from each wire
- Assemble the connector parts on the cable in the order and orientation shown
- Apply 1 x 20mm piece of H/S (100-8431) over end of outer insulation
- Solder connector head to wires noting orientation and wiring specifications previously mentioned
- Cover joints with item 2
- Slide connector components together and secure tightly

DRAWING NUMBER	DSP05CABLES	DRAWN	B.SELBY	SHEET	4/4
DESCRIPTION		5 WAY UNTERMINATED CABLE FOR VBDSP05			
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
13	Removal of staggered H/S under 6W Hirose	10-03-22	SH	18855	