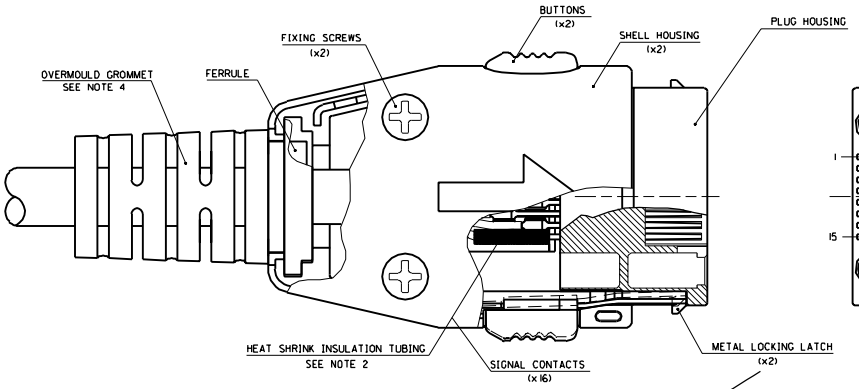
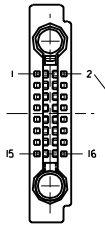


PARTIAL VIEW
SCALE 5:1



WIRING DIAGRAM : 6 CORE CABLE

CONDUCTOR DEMANTLE LENGTH.	6 CORE CABLE (2) CONDUCTOR No.	MOLEX I/O CONNECTOR (1) CIRCUIT No.	CONDUCTOR COLOUR REF.
11 REF	5	2	BROWN
11 REF	1	4	RED/BLUE
8 REF	6	5	WHITE
8 REF	4	10	YELLOW
13 REF	2	11	VIOLET
-	3		GREEN

SEE NOTE 7

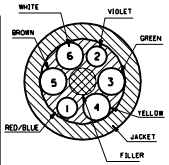
CABLE SPECIFICATION : 6 CORE CABLE (2)

1. CABLE TYPE : FLAT ☐ RIBBON ☐ ROUND ☒ OTHER ☐
SPIRAL CABLE YES ☐ NO ☒
NO. OF CONDUCTORS 6

2. CABLE REQUIREMENTS : N/A

3. CONDUCTOR SPECIFICATIONS :

	CONDUCTOR NO. 1 - 2	CONDUCTOR NO. 3 - 6
CONDUCTOR :		
- MATERIAL	TINNED Cu	TINNED Cu
- A.W.G.	28	22
- STRANDING QTY/GUAGE	7/36	7/30
- TENSILE STRENGTH	N/A	N/A
INSULATION :		
- MATERIAL	PVC	PVC
- MIN. WALL THICKNESS	0.25 REF	0.25 REF
-COLOUR	SEE DIAGRAM	
- OUTSIDE DIAMETER	0.9 REF	1.2 REF
DIRECTION OF LAY	S	
LENGTH OF LAY	50.0 REF	
U.L. RATING	N/A	



SCALE 10:1

4. FILLER : PVC, ENOUGH TO MAKE ROUND

5. SEPARATOR : TALC

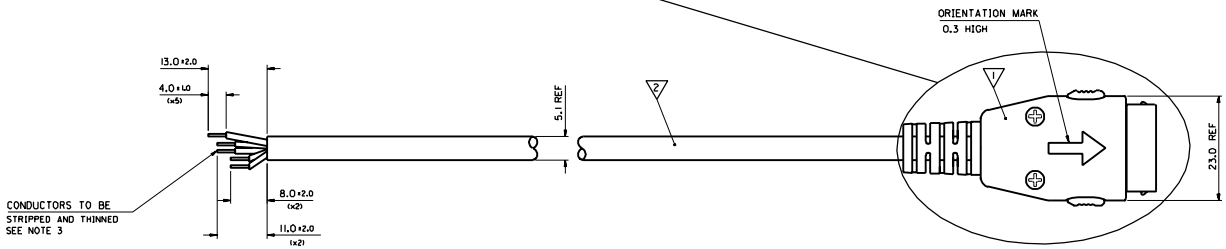
6. SHIELD : FOIL TYPE N/A; FOIL FACING N/A

7. DRAIN WIRE : GAUGE N/A; STRANDING N/A; REQUIREMENT N/A

8. SPIRAL/BRAID : GAUGE N/A; COPPER TYPE N/A; COVERAGE N/A

9. CABLE JACKET : TYPE PVC; FINAL DIAMETER 5.1 REF; MIN. THICKNESS 0.68 REF; COLOUR BLACK; FINISH MATT; U.L. RATING N/A; HARDNESS; STRIPABILITY; MARKINGS "Y24851-Z1303-A118-1 YEAR / MONTH MXI" PRINTED IN WHITE EVERY 400, "YEAR / MONTH" OF MANUFACTURE TO IEC 62 INDEX 5.1

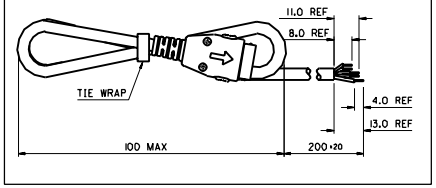
10. PACKAGING : PACKAGING SEE PACKAGING SPECIFICATION ESTABLISHED BY LOCAL PURCHASING AND MANUFACTURING DEPARTMENTS .



BILL OF MATERIALS

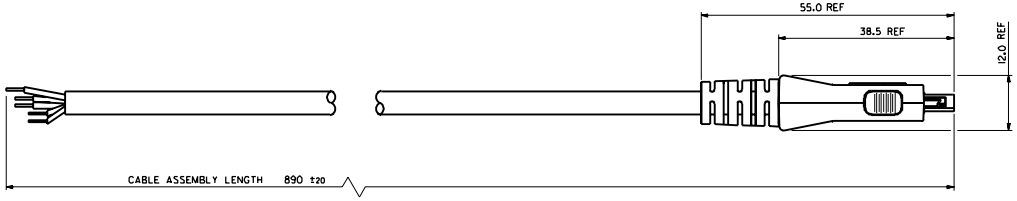
NO.	QUANTITY	SUPPLIER	DESCRIPTION	PART No.	SEE NOTE
1	1	MOLEX	16 CIRCUIT I/O MOBILE PHONE PLUG CONNECTOR	90813-0004	1, 2
2	1	MOLEX	6 CORE CABLE SEE CABLE SPECIFICATION	99036-0006	2, 3, 7

PACKAGING



NOTES:-

1. MATES WITH SERIES 90811 HANDSET CONNECTOR.
2. ALL CONDUCTORS AND SELECTED SOLDER CUPS TO BE COVERED WITH HEAT SHRINK INSULATION TUBING AT BOTH ENDS.
3. 28 AWG WIRE TO HAVE DIAMETER 0.85 MAX AFTER THINNING. 22 AWG WIRE TO HAVE DIAMETER 1.10 MAX AFTER THINNING.
4. ONLY AVAILABLE FROM MOLEX AS PART OF A CABLE ASSEMBLY.
5. SEE GROMMET SPECIFICATION ES-99038-0005.
6. PACKAGING : PARTS TO BE PACKED INDIVIDUALLY IN BAGS AS SHOWN.
7. CONDUCTOR 3 TO BE CUT BACK FLUSH WITH DE-MANTLE AT BOTH ENDS.



FOR PREVIOUS DRAWING ISSUES SEE MR1.

VARY CUT LENGTHS ECN E 10448 97-01-17 DR

A1

REVISIONS: LTR

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1°
INCH (METRIC)
3 PLACE ± ±
2 PLACE ± ±
1 PLACE ± ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
DESIGN DIMENSION ■ (MM) ☐ IN.
(PRIMARY)
EQUIVALENT DIMENSION ☐ (MM) ☐ IN.
(SECONDARY)

DRWD BY DAB
CHK'D BY
APP'D BY
SCALE 2:1

REVISE ONLY ON CAD SYSTEM SH. REV.

CADCAM FILENAME 3D08-1021 DCN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE

SYSTEM CONNECTOR PLUG CABLE ASSEMBLY

MOLEX EUROPE

SHEET NO. 1 OF 1 DATE 96/08/30

PART NO. 90813-1021 DWG NO. SDA-90813-1021 SIZE D

S-453-1001