

**WIRING DIAGRAM : 16 CORE CABLE**

UNTERMINATED END	16 CORE CABLE	MOLEX I/O CONNECTOR	CONDUCTOR COLOUR REF
	1	1	WHITE
	2	2	BROWN
	5	3	GREY
	16	4	YELLOW/BROWN
	6	5	PINK
	15	6	WHITE/YELLOW
	7	7	BLUE
	14	8	BROWN/GREEN
	8	9	RED
	13	10	GREEN/WHITE
	9	11	BLACK
	12	12	RED/BLUE
	11	13	VIOLET
	10	14	GREY/PINK
	3	15	GREEN
	4	16	YELLOW
			DRAIN WIRE

**CABLE SPECIFICATION : 16 CORE CABLE**

LCABLE TYPE: FLAT  RIBBON  ROUND  OTHER   
 SPIRAL CABLE YES  NO   
 NO. OF CONDUCTORS 16

3. CABLE REQUIREMENTS: N/A

3. CONDUCTOR SPECIFICATIONS:

CONDUCTOR NO.	CONDUCTOR NO.	
1 - 4	5 - 16	
CONDUCTOR :	CENTRE	OUTSIDE
- MATERIAL	TINNED CU	TINNED CU
- A.G.C.	22	30
- STRANDING QTY/GAUGE	1/30	1/38
- TENSILE STRENGTH	N/A	N/A
INSULATION :		
- MATERIAL	PVC	PVC
- MIN. WALL THICKNESS	0.22 REF	0.20 REF
- COLOUR	AS SPECIFIED IN DW 4700	
- OUTSIDE DIAMETER	1.20 REF	0.18 REF
DIRECTION OF LAY	Z	S
LENGTH OF LAY	65.0 REF	
UL-RATING	UL - 2464	

4. FILLER : ENOUGH TO MAKE THE ASSEMBLY ROUND  
 POLYESTER FILM

5. SEPARATOR : POLYESTER FILM

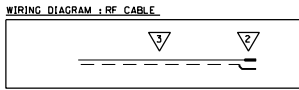
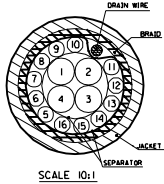
6. SHIELD : N/A

7. DRAIN WIRE : FOL TYPE N/A  
 GAUGE 26 AWG  
 STRANDING 1/34  
 REQUIREMENT DRAIN TO BE ON THE OUTSIDE OF THE SEPARATOR

8. SPIRAL/BRAID : GAUGE 24 x 8 x 0.1  
 COPPER TYPE TINNED CU  
 COVERAGE 50 %

9. CABLE JACKET : TYPE PVC  
 FINAL DIAMETER 0.8 REF  
 MIN. THICKNESS BLACK  
 COLOUR BLACK  
 FINISH MILT  
 UL-RATING UL - 2464  
 HARDNESS  
 STRETCHABILITY  
 MARKINGS YEAR / MONTH MFG OF MANUFACTURE TO BE PRINTED EVERY 500 TO IEC 62 INDEX 5.1

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



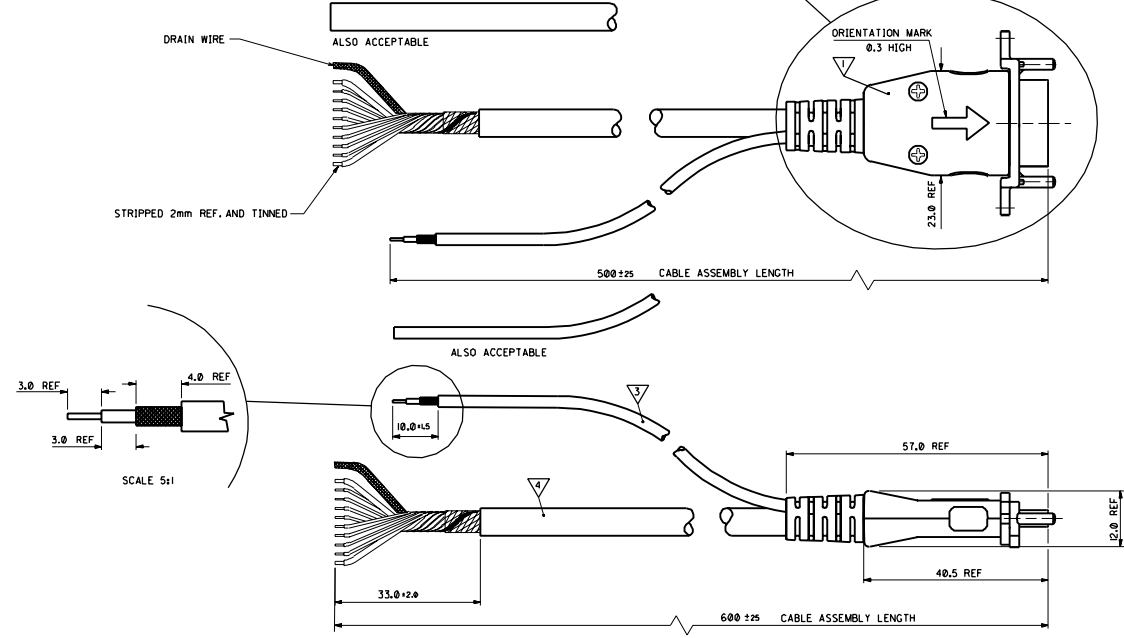
**BILL OF MATERIALS**

NO.	QUANTITY	SUPPLIER	DESCRIPTION	PART NO.	SEE NOTE
1	1	MOLEX	16 CIRCUIT I/O MOBILE PHONE CRADLE CONNECTOR	90812-0001	1, 2, 3
2	1	MOLEX	COAXIAL RF CONNECTOR	90853-0001	5
3	1	NO PREFERRED SUPPLIERS	COAXIAL CABLE 50 OHM	RG 174 A/U	5
4	1	MOLEX	16 CORE CABLE SEE CABLE SPECIFICATION	99036-0001	5
5	10	NO PREFERRED SUPPLIERS	1.6 BORE HEAT SHRINK INSULATION TUBING	90848-0005	4, 5
6	1	MOLEX	MOULDED ON GROMMET	99038-0001	5, 6
7	1	NO PREFERRED SUPPLIERS	CRIMP RING	90875-0001	5
8	1	NO PREFERRED SUPPLIERS	HEAT SHRINK TUBING	90848-0007	4, 5

**NOTES:**

1. MATES WITH 90811 SERIES HANDSET CONNECTOR
2. SEE PRODUCT SPECIFICATION NO. PS-99020-0033
3. POWER CONTACTS TO BE ON CIRCUITS 12, 15 & 16.
4. CABLE CONDUCTORS 1, 2, 3, 5, 8, 10, 11, 12, 13, 15 & 16 TO BE COVERED WITH HEAT SHRINK TUBING.
5. ONLY AVAILABLE FROM MOLEX AS PART OF A CABLE ASSEMBLY.
6. SEE GROMMET SPECIFICATION ES-99038-0001
7. PACKAGING : SEE PACKING SPECIFICATION ES-99039-0002, AND LABELLED AS SHOWN YEAR AND MONTH, "XX", TO BE PRINTED ACCORDING TO IEC 62 INDEX 5.1.
8. SEE TERMINATION SPECIFICATION ES-99033-0003.

V2485-I-Z1303-A117-1  
 XX MXI  
 MOLEX 90812-1002



FOR PREVIOUS DRAWING ISSUES SEE MRL.

DATE BY: JOE

DESIGNED BY: JOE

APPROVED BY: JOE

SCALE: 2:1

REVISIONS:

NO.	DATE	DESCRIPTION
1		ISSUED FOR MANUFACTURE

REVISIONS: (M) MODIFIED (A) APPROVED (C) CHANGED (D) DELETED (E) ENHANCED (F) FINISHED (G) GENERAL (H) HOLE (I) INCREASED (J) JAW (K) KEYS (L) LENGTH (M) MATERIAL (N) NEW (O) OMISSION (P) POSITION (Q) QUANTITY (R) RADIUS (S) SIZE (T) TOLERANCE (U) UNIFORM (V) VOLUME (W) WEIGHT (X) X-RAY (Y) YIELD (Z) ZONE

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REVISE ONLY ON CAD SYSTEM

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

**SYSTEM CONNECTOR CRADLE ASSEMBLY**

MOLEX SHEET NO. DATE: 90812-1002 10F 1 94/06/21

90812-1002 90812-1002