

**WIRING DIAGRAM : 3 CORE CABLE**

CIRCUIT No.	CONNECTOR No.	CIRCUIT No.
7	1	6
2	2	5
1	3	16

**CABLE SPECIFICATION : 16 CORE CABLE**

**CABLE TYPE:** FLAT  RIBBON  ROUND  OTHER   
**SPRAL CABLE:** YES  NO   
**NO. OF CONDUCTORS:**

**2. CABLE REQUIREMENTS : N/A**

**3. CONDUCTOR SPECIFICATIONS :**

CONDUCTOR :	CONDUCTOR NO.
- MATERIAL :	1 - 3
- TIMED Cu :	
- ALU. G. :	26
- STRANDING QTY/GAUGE :	7/34
- TENSILE STRENGTH :	N/A
<b>INSULATION :</b>	
- MATERIAL :	PVC
- MIN. WALL THICKNESS :	0.20 REF
- COLOUR :	SEE DIAGRAM
- OUTSIDE DIAMETER :	0.87 REF
- DIRECTION OF LAY :	S
- LENGTH OF LAY :	30.8 REF
- LUL RATING :	UL - 2464

**4. FILLER :** ENOUGH TO MAKE THE ASSEMBLY ROUND

**5. SEPARATOR :** N/A

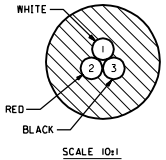
**6. SHIELD :** FOIL TYPE N/A  
FOIL FACTING N/A

**7. DRAIN WIPE :** GAUGE N/A  
STRANDING REQUIREMENT N/A

**8. SPIRAL BRAID :** GAUGE N/A  
COPPER TYPE N/A  
SIZE N/A

**9. CABLE JACKET :** TYPE PVC  
FINAL DIAMETER 5.8  
MIN. THICKNESS N/A  
COLOUR BLACK  
FINISH MATE  
LUL RATING UL - 2464  
HARDNESS  
STRENGTH  
MARKINGS

**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 1/0 MOBILE PHONE PLUG CONNECTOR	90813-0004	1, 2, 3
2	1	ITT CANNON	15 POLE PIN CONNECTOR WITH GUIDE PINS	MDS-120/22-22	5
3	2	ITT CANNON	JUNCTION SHELLS WITH STRAIN RELIEF RING	MDS-5E06-V5	5
4	3	ITT CANNON	CRIMP CONTACT PINS	430-8595-004	5
5	1	MOLEX	3 CORE CABLE SEE CABLE SPECIFICATION	99036-0013	5
6	3	NO PREFERRED SUPPLIERS	16 BORE HEAT SHRINK INSULATION TUBING	90848-0005	4, 5
7	1	MOLEX	MOULDED ON GROMMET		5, 6
8	1	NO PREFERRED SUPPLIERS	CRIMP RING	90875-0001	5

**NOTES:**

- MATES WITH SERIES 90811 HANDSET CONNECTOR.
- SEE PRODUCT SPECIFICATION NO. PS-99020-0033
- POWER CONTACTS TO BE ON CIRCUITS 1,2,15,16
- ALL CABLE CONDUCTORS ARE TO BE COVERED WITH HEAT SHRINK INSULATION TUBING.
- ONLY AVAILABLE FROM MOLEX AS PART OF A CABLE ASSEMBLY
- SEE GROMMET SPECIFICATION ES-99038-0003
- SEE PACKAGING SPECIFICATION ES-99039-0002, AND LABELED AS SHOWN YEAR AND MONTH "XX", TO BE PRINTED ACCORDING TO IEC 62 INDEX 5.1.
- SEE TERMINATION SPECIFICATION ES-99033-0003.

XX MX1  
MOLEX 90813-1008

**FOR PREVIOUS DRAWING ISSUES SEE MRL.**

**REVISIONS**

NO.	DATE	DESCRIPTION
A1		REVISIONS

**DATE:** 9/1/94  
**DESIGNED BY:** JOC  
**CHECKED BY:** JOC  
**APPROVED BY:** JOC

**REVISIONS**

NO.	DATE	DESCRIPTION
1		REVISIONS

**SCALE:** 2:1

**REVISIONS ONLY ON CAD SYSTEM**

**FILE:** SYSTEM CONNECTOR PLUG CABLE ASSEMBLY

**MOLEX EUROPE**

**SHEET NO. DATE:** 10F 1 94/11/07

**PART NO. TITLE:** 90813-1008 SDA-90813-1008