

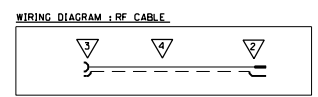
**CABLE SPECIFICATION : 8 CORE CABLE**

**1. CABLE TYPE:** FLAT  RIBBON  ROUND  OTHER   
 SPIRAL CABLE  YES  NO   
 NO. OF CONDUCTORS  8

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

**3. CONDUCTOR SPECIFICATIONS:**

| CONDUCTOR :           | CONDUCTOR NO.                     |  |                |
|-----------------------|-----------------------------------|--|----------------|
|                       | 1 - 4                             | 5, 6   | 7, 8           |
| - MATERIAL            | TINNED CU                         | TINNED CU  | TINNED CU      |
| - A.W.G.              | 28                                | 28   | 28             |
| - STRANDING QTY/GAUGE | 7/28                              | 7/28   | 7/28           |
| - TENSILE STRENGTH    | N/A                               | N/A  | N/A            |
| - INSULATION :        |                                   |  |                |
| - MATERIAL            | PVC                               | PVC  | PVC            |
| - MIN. WALL THICKNESS | 0.227/.009 REF                    | 0.227/.009 REF   | 0.227/.009 REF |
| - COLOUR              | SEE WIRING DIAGRAM                |  |                |
| - OUTSIDE DIAMETER    | 0.889/.035 REF                    | 1.138/.051 REF   | 0.889/.031 REF |
| - DIRECTION OF LAY    | CAN BE EITHER S OR Z.             |  |                |
| - LENGTH OF LAY       | 85. REF.                          |  |                |
| UL-RATING             |                                   |  |                |
| SHIELDING             | ENOUGH TO MAKE THE ASSEMBLY ROUND |  | YES            |
| 4. FILLER :           | N/A                               |  |                |
| 5. SEPARATOR :        | N/A                               |  |                |
| 6. SHIELD :           | GAUGE                             | TINNED COPPER  | 16. 9 x 3 U    |
|                       |                                   |  | 55.2 MIN       |
| 7. DRAIN WIRE :       | GAUGE                             | N/A  |                |
|                       |                                   |  |                |
| 8. SPIRAL/BRAID :     | GAUGE                             | N/A  |                |
|                       |                                   |  |                |
| 9. CABLE JACKET :     | TYPE                              | PVC  |                |
|                       | FINAL DIAMETER                    | 1.252/.051 REF   |                |
|                       | MIN. THICKNESS                    | 0.332/.014   |                |
|                       | COLOR                             | BLACK  |                |
|                       | FINISH                            | BLACK  |                |
|                       | UL-RATING                         | UL-2835  |                |
|                       | HARDNESS                          | 115 SHORE A  |                |
|                       | STRIPABILITY:                     | 6-25 NEWTONS   |                |
|                       | MARKING                           | NONE   |                |
| 10. PACKAGING :       | PACKAGING                         | SEE PACKAGING SPECIFICATION ESTABLISHED BY LOCAL PURCHASING AND MANUFACTURING DEPARTMENTS. |                |

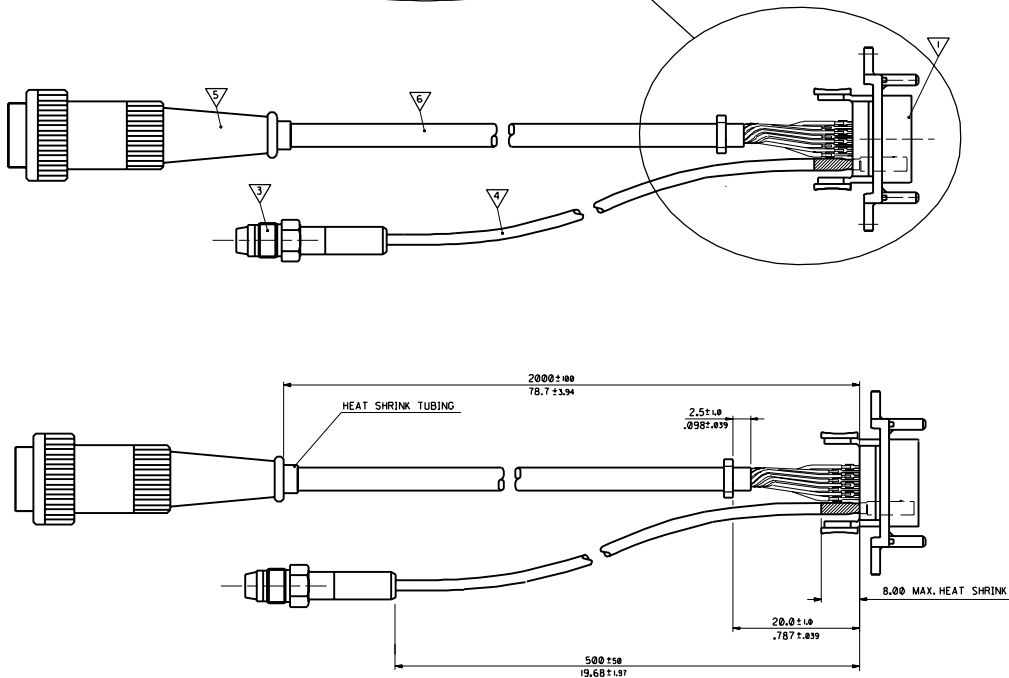


**BILL OF MATERIALS**

| NO. | QUANTITY | SUPPLIER               | DESCRIPTION                                  | PART No.   | SEE NOTE |
|-----|----------|------------------------|--|------------|----------|
| 1   | 1        | MOLEX                  | 16 CIRCUIT 1/0 MOBILE PHONE CRADLE CONNECTOR | 90812-0001 | 1, 2, 3  |
| 2   | 1        | BERG                   | COAXIAL RF CONNECTOR                         | 90853-0001 | 3, 4     |
| 3   | 1        | ROSENBERGER            | COAXIAL RF CONNECTOR                         | 26K101-102 | 4, 7     |
| 4   | 1        | NO PREFERRED SUPPLIERS | COAXIAL CABLE 50 OHM BLACK                   | RG 316 U   | 4        |
| 5   | 1        | PREH                   | 8 CIRCUIT CONNECTOR                          | 71430-080  | 4        |
| 6   | 1        | MOLEX                  | 8 CORE CABLE SEE CABLE SPECIFICATION         | 99036-0014 | 3, 4, 8  |
| 7   | 1        | NO PREFERRED SUPPLIERS | 26 AWG JUMPER WIRE                           | 99036-0015 | 3, 4     |

- NOTES:-**
- MATES WITH 90811 SERIES HANDSET CONNECTOR
  - SEE PRODUCT SPECIFICATION NO. PS-99020-0033
  - CABLE CONDUCTORS & RF TO BE COVERED WITH HEAT SHRINK TUBING.
  - ONLY AVAILABLE FROM MOLEX AS PART OF A CABLE ASSEMBLY.
  - PACKAGING : SEE PACKING SPECIFICATION CS-99035-0002 (OPTION L3)
  - ASSEMBLIES TESTED FOR SHORTS AND CONTINUITY BETWEEN ALL CIRCUITS.
  - ROSENBERGER OR CUSTOMER APPROVED EQUIVALENT
  - REMOVE GREEN WIRE (BOTH ENDS), FLUSH WITH MANTLE

XX MXI  
MOLEX 90812-1003



**FOR PREVIOUS DRAWING ISSUES SEE MRL.**

VARIOUS MOBS  
EQUIPMENT  
PACKING

REVISIONS

DATE: 1994/12/21

DESIGNED BY: DAB

CHECKED BY: NTS

SCALE: 1:1

DATE: 1994/12/21

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 EUROPE

90812-1003

SDA-90812-1003