

NOISE IN QUAD CABLE

Reasons for Noise in cable

1. Use of non-twisted pair for use of different conductors from different pairs/quad.
2. Proper earth is not provided on quad cable .
3. Disconnection of earthing from end to end in cable.
4. External voltage indication to cable screening.

Noise can be reduced by providing VF transformers in the circuit.

- 1) For Magneto Telephone : 1120 Ohms on Magneto Phone Side, 470 Ohms on Quad Cable Side.
- 2) Local Earthing of Cable Jointing can be done. Connect wires between Double Steel Tape Armour, Aluminium Screening, Poly al Sheath and take out the wire from joint kit. Place a copper rod 1 Feet inside cable joint pit and connect the wire and solder it.