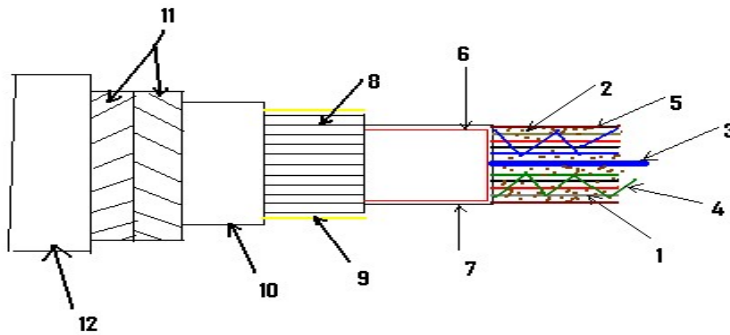


## 6 Quad Cable

### 1. CONSTRUCTION OF 6Q CABLE:



1. Conductor
2. Petroleum jelly
3. Dummy tube
4. Binder
5. Polyester tape
6. Poly aluminium tape
7. PVC inner jacket
8. Aluminium wire screen
9. Woven tape(yellow colour)
10. PVC intermediate jacket
11. G.I. Steel armour
12. PVC outer jacket

### SPECIFICATIONS OF 6Q CABLE RDSO SPN.NO:IRS-TC

#### 30/2005 Version I.W.E.F:1-1-2006:

1. Loop resistance :  $56\Omega/\text{L.Km}$
2. Transmission loss :  $0.25 \text{ Db/L.Km}$  ( When loaded)  
:  $0.63 \text{ dB/ L.Km}$  (When not loaded)
1. Impedance :  $470 \Omega$
2. Insulation resistance :  $>100 \text{ M}\Omega$  with 100V Megger
3. Conductor diameter :  $0.9 \text{ mm}$
4. Thickness of sheath (PVC):  $1.8 \text{ mm}$
5. Thickness of G.I. Armour:  $4\text{cm} \times 0.8 \text{ mm}$
6. Thickness of inner PVC sheath:  $1.8 \text{ mm}$
7. Thickness of Aluminium tape:  $0.2\text{mm} \pm 10\%$
8. Armour (G.I.wires Dia each):  $1.4 \text{ mm}$  (36 No of wires)
9. Mutual Capacitance :  $0.05 \text{ uF/Km}$