

Control cables



VOLTAGE :- These cables can be used on AC Voltage up to & including 1100 V or DC up to & including 1500 V.

Size :- 1.5 Sq. mm. & 2.5 Sq. mm. up to 61 Cores in Control Cable.

CONDUCTOR :- Annealed Bare Electrolytic Copper / Aluminum Conductor conforming to IS:8130:1984..

INSULATION :- Conductor are insulated with PVC Compound as per IS:5831:1984.

COLOR OF CORES :- Cores are identified with a color scheme as per IS:1554(Pt-I):1988 as under

2 Cores - Red & Black

3 Cores - Red, Yellow & Blue.

3 ½ & 4 Core - Red, Yellow, Blue & Black. (Reduced Neutral Core in case of 3 ½ Core)

In case of cable exceeding five cores, two adjacent (counting and direction cores) in each layer shall be colored Blue, Yellow and remaining cores gray/Cores can be identified by numbers by numbers printed on that of same color .

LAYING OF CORES :-Cores are laid up with a suitable lay. The Final layer direction shall be kept right hand lay.

INNER SHEATH :-The Inner Sheath is applied over laid up of cores by extrusion/wrapping of thermoplastic material.

ARMOURING :- It is applied over inner Sheath. It may consist of galvanized Round Steel wires or galvanized Flat Steel Strips conforming to IS:3975. Round Wire armoring is provided , where the calculated diameter under Armour is 13.0 mm. Above this, armoring is either round wire/steel strip.

OUTER SHEATH :-A final covering of PVC Compound, conforming to IS:5831:84, is applied over Armoring in case of Armored Cable or over Inner Sheath in case of Unarmored Cable, called as "Outer Sheath".

The Insulation, Inner Sheath & outer sheath can be HR PVC, FRLS PVC or FRHF Compound depending upon their application.

CURRENT RATING :- e.g. Current Carrying Capacity of these cables are as per IS:3961{Pt-II) : 1967.

QUALITY ASSURANCE :- Quality Standards are built in every Relemac India's product. Relemac India cables are subjected to a series of required tests in our well equipped laboratory . Besides the rigid tests and checks at every stage from raw material through manufacturing stages and finally up to the finished product .

TYPICAL APPLICATION :- The Control Cables are used under ground as well as over head transmission of power in power plants, industries, projects and all other electrical installations.