

# Power & Control Cable

## APPLICATION

LV cable is used widely in many industries ranging from industries involved in water, renewable energy, distribution and power networks, nuclear & thermal power stations, airports, marine, defence, telecommunications, windmills, building, mining, offshore applications, ship wiring, railways, automation, audio - visual and manufacturing industries. These cables can be suitable for a huge amount of applications

## SELECTION OF CABLE

- 1) Maximum Operating Voltage
- 2) Insulation Level
- 3) Current carrying capacity, determine cross section size of conductor
- 4) Route length & voltage drop
- 5) Mode of insulation considering installation environment such as ambient and ground temperature chemical and physical properties of soil

\* All cables of ADCAB are designed to standard operating conditions in India

## FEATURES

### XLPE INSULATED CABLE

Higher current rating and emergency overload rating  
 Superior short circuit rating  
 Low dielectric loss  
 Much better insulation resistance  
 Resistant to chemical & corrosive gases etc.  
 Better resistance to surge currents  
 Much longer life of the cables

### PVC INSULATED CABLE

High dielectric strength & resistance to D.C voltage affects  
 High mechanical strength & resistance to abrasion, vibration effects  
 Resistant to most acids, alkalies to temporary contact with solvents, oils & liquid fluids  
 Flame retardant, does not support combustion and self extinguishing

SIZE	Single Core 1.5 sq mm to 1000 sq mm, Multicore 1.5 sq mm to 630 sq mm
No of Cores	1 , 2 , 3 , 3.5 & 4
Conductor	Stranded / Solid / Circular / Shaped as per Is:8130, IEC 60228, BS 6360
Material	Aluminum / Copper
Insulation	PVC / XLPE / HE PVC / ZERO HALOGEN
Inner Sheath	PVC/HR PVC/ FR/FRLS PVC/ Zero Halogen as per IS:5831, IEC 60502, BS 7655
Armour	G.S STEEL ROUND WIRE/G.S STEEL FORMED WIRE(STRIP)/G.S STEEL TAPE/ALUMINUM ROUND WIRE/ALUMINUM FORMED WIRE (STRIP)/ALUMINUM TAPE AS PER IS 3975, IEC 60502 P-1
Outer Sheath	SIZE
Voltage Grade	650/1100 v

# Solar Cable

# Fire Alarm & Survival Cable