

POWER CAB®

IS : 694

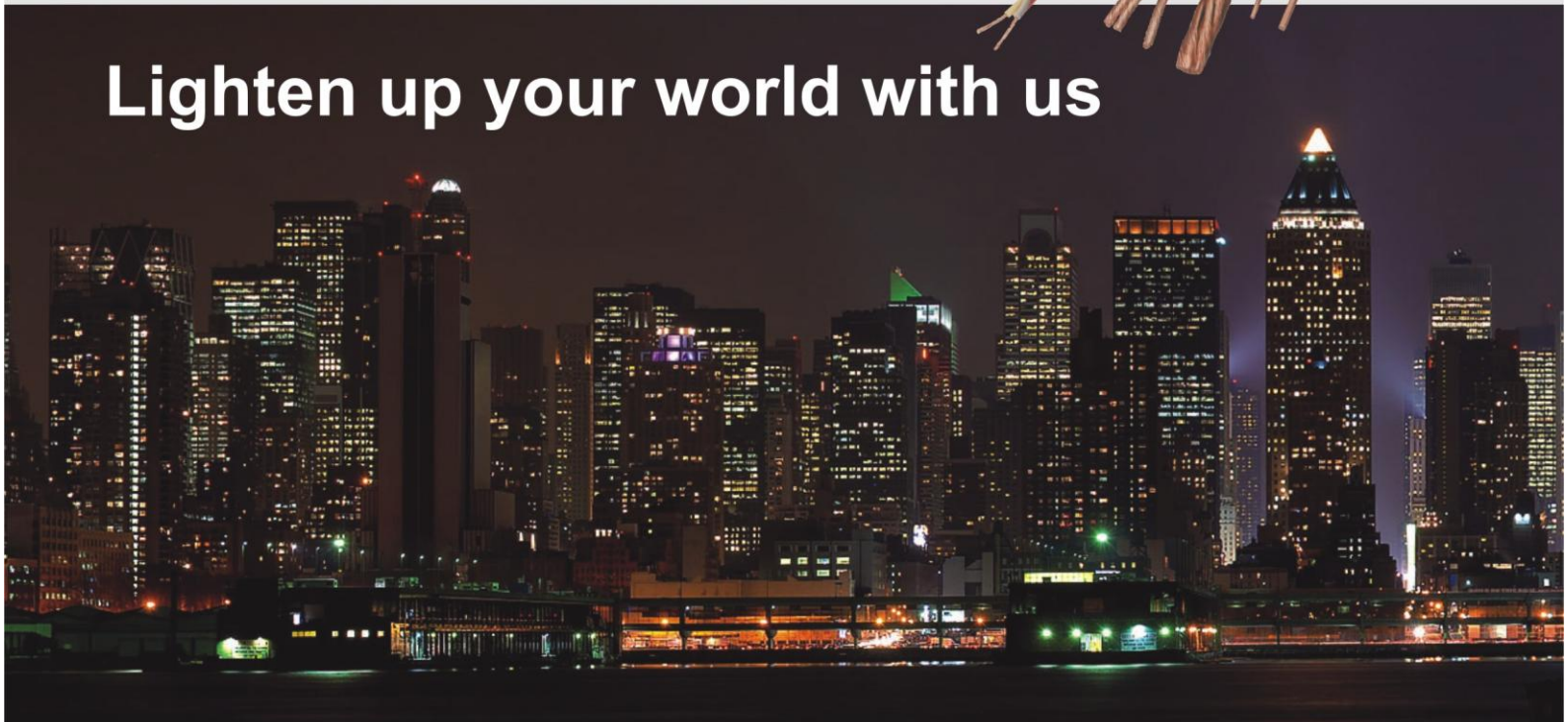


IS : 1554
IS : 7098

SINCE
1988



Lighten up your world with us



AN ISO : 9001 COMPANY

About Ourselves :

"SMRUTI CABLES PVT. LTD." is a leading manufacturer of all types of PVC & XLPE insulated L.T. Cables in 'POWER CAB' Brand.

"SMRUTI CABLES PVT. LTD." is well equipped with latest machinery & equipment, with full fledged modern laboratory to test the cable as per relevant I.S.I. specification. Insulating process is carried out on most modern high speed extrusion line having installed spark testers and electronically controlled diameter / eccentricity indicators which ensure fail proof high voltage test and consistency throughout the length of product. The specially developed high grade PVC compound, used for insulation is resistant to moisture, oils, alkalines, grease and flames and has very high insulation resistance values.

Outer sheathing is provided with soft flexible PVC sheathing compound to facilitate not only ease in stripping but also to ensure toughness to withstand mechanical abrasions in use. Conductors are drawn from electrolytic grade copper to ensure compliance with international standard.

All wires & cables are tested at every stage of production strictly by well qualified engineers for quality control. The 'POWER CAB' wire and cables are approved by various Panel Board Manufacturers, Limited Companies, Govt. & Semi Govt. Depts. and reputed dealers throughout Gujarat & India.

We are registered with:- ● Road & Building (Electrical) Gujarat (**R & B**) ● Gujarat Electricity Board (**GEB**) ● Gujarat State Road Transport Corporation (**GSRTC**) ● Western Railway ● West Central Railway ● Defence Research Lab-Hyderabad ● National Small Industries Corporation (**NSIC**) ● Directorate of General Supplies & Disposals (**DGS & D**) ● National Thermal Power Corporation (**NTPC**) etc.

FR/FRLS House Wires :

Application :

This is a premium product of electrical wires from 'POWER CAB'. These cables are ideal for wiring in residential and commercial complexes, high-rise buildings, hotels, hospitals, schools, colleges etc. Where density of people is high. During a fire these cables not only emit less smoke and toxic hydrochloric acid gas but also retard the spread of fire enabling those trapped inside to escape safely.

Features :

Manufactured from bright annealed 99.97% pure bare copper conductors these cables have low conductor resistance resulting in power saving. These wires are insulated with a special grade PVC compound formulated and manufactured in-house. The insulation is far superior in terms of critical oxygen and temperature index as also in light transmission and acid gas generation. The skin coloration offers high insulation resistance and long life.

Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 70° C

Sizes : 0.75, 1.00, 1.50, 2.50, 4.00 and 6.00 Sq. mm.

Color codes : Red, Yellow, Blue, Black and Green (For Earthing)

Specification : IS : 694

Packing : In 90-meter coils in attractive cartons





PVC Single Core Flexible Cables :

Application : These single core flexible cables are used for wiring in control panels, machines and various electrical installations in small, medium and large industries.

Features : Manufactured from bright-annealed 99.97% pure bare copper conductors these cables have low conductor resistance. These wires are insulated with a special grade PVC compound

formulated and manufactured in-house which is impervious to water, oil, grease, acids, etc. and are tough to protect from any mechanical abuses.

Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 70° C

Sizes : 0.50 to 50.00 Sq. mm with ISI mark & 70.00 to 40.00 Sq. mm generally conforming to IS : 694

Color Codes : Red, Yellow, Blue, Black, Grey, White, Pink, Green, Violet, Brown, Orange

Specification : IS : 694

Packing : In 90-meter coils, Higher sizes on drums.

PVC Multi Core Flexible Cables :

Applications : These multi core flexible cables are used for wiring in control panels, machines and various electrical installations in dry and damp interiors especially under typical industrial environmental conditions.

Features : Manufactured from bright annealed 99.97% pure bare copper conductors these cables offer low conductor resistance. These wires are insulated with a special grade PVC compound formulated and manufactured in-house. The tough robust outer PVC jacket protects it from the oils, greases, various chemicals and abrasions giving long life and electrical safety.



Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 70° C

Sizes : 0.50 to 4.00 Sq. mm in 2 core to 19 cores & 6.00 to 120.00 Sq. mm in 3 core and 4 core.

Color code : Black and Grey outer sheath

2 Core cables - Red, Black,

4 Core cables - Red, Yellow, Blue & Green for earth.

3 Core cables - Red, Black & Green for earth

5 Core cables - Red, Yellow, Blue, Black & Grey

Specification : IS : 694

Packing : In 90-meters coils, Higher sizes on drums



PVC Insulated Power & Copper Control Cables :

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

Features : Manufactured from bright annealed 99.97% pure bare copper & Aluminium conductors This cables are insulated with PVC compound. Taped/Extruded inner sheath.

Round steel wire / Flat galvanised steel strip Armoured. The inner & outer sheaths can be PVC, HR PVC, FRLS, HR-FRLS or FR depending upon the application and requirement of customers.

Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 70° C or + 85° C in HR PVC.

Power Cable Sizes : 1.50 Sq. mm to 400.00 Sq. mm in 2, 3, 3 1/2 & 4 core

Copper Control Cables sizes : 1.50, 2.50 Sq. mm. up to 24 cores

Colour Codes : 2 Core - Red & Black

3 1/2 Core - Red, Yellow, Blue & Black (For Nutral)

5 Core - Red, Yellow, Blue, Black & Grey

3 Core - Red, Yellow, Blue

4 Core - Red, Yellow, Blue & Black

6 Core & above - adjacent cores are blue for reference and yellow for direction in each lay Black outer sheath.

Specification : IS : 1554 (Part/1)

Packing : 500 / 1000 meters on drums



XLPE Insulated Power & Copper Control Cables :

Application : The XLPE (Cross Link Poly Ethylene) Power Cables are used under ground as well as over head transmission of power in power plants, industries, projects and all other electrical installations.

Features : Manufactured from bright annealed 99.97% pure bare copper & Aluminum conductors. This cables are insulated with XLPE compound. Taped/Extruded inner sheath. Round steel wire / Flat galvanised steel strip Armoured. The outer sheaths can be PVC, HR PVC, FRLS or FR depending upon the application and requirement of customers.

Technical Advantage of XLPE Insulation :

Higher current rating, higher short Circuit Rating (Approx 1.2 times that of PVC) Thermosetting in nature, Higher insulation resistance - 1000 times more than PVC cables, Higher resistance to moisture, Better resistance to Surge currents, Low Dielectric Losses, Better resistance to chemicals and corrosion, Longer service life. Comparatively higher cable operating temperature 90° and short circuit temperature 250°C.

Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 90° C

Power Cable Sizes : 1.50 Sq. mm to 400.00 Sq. mm in 2, 3, 3¹/₂ & 4 core

Copper Control Cables Sizes : 1.50, 2.50 Sq. mm up to 24 cores.

Colour Codes : 2 Core - Red & Black

3¹/₂ Core - Red, Yellow, Blue & Black (For Nutral)

5 Core - Red, Yellow, Blue, Black & Grey

3 Core - Red, Yellow, Blue

4 Core - Red, Yellow, Blue & Black

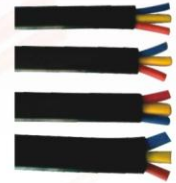
6 Core & above - adjacent cores are blue for reference and yellow for direction in each lay Black outer sheath.

Specification : IS : 7098 (Part-I)

Packing : 500 / 1000 meters on drums

Sub-Mersible 3 Core Flat Cables :

Application : The PVC insulated and sheathed 3 core flat cables are used for giving electricals connection to the submersible pump motors. These are manufactured keeping in mind the severe, tough and difficult conditions in which they have to operate. The slot available in the tube well being narrow the shape of the cables has to be suited for such an application. These cables conform to and are marked IS 694:1990 upto 4.00 sq. mm. The sizes above 4.00 sq. mm. cables generally conform to IS 694:1990.



Features : Manufactured from bright-annealed 99.97% pure bare copper conductors these cables have low conductor resistance. The inner cores are insulated with a special grade PVC compound formulated and manufactured in-house. The tough robust outer PVC jacket protects it from the oils, greases, various chemicals and abrasions, thereby giving long life and electrical safety.

Technical Data :

Working Voltage : Up to 1100 V.

Temperature range : -15° C to + 70° C

Sizes : 1.50 to 4.00 Sq. mm with ISI mark

6.00 to 95.00 Sq. mm generally conforming to IS : 694

Colour Codes : 3 Cores - Red, Yellow and Blue

Black or Grey outer sheath

Specification : IS : 694

Packing : 500/1000 meters on drums.

SMRUTI CABLES PVT. LTD.

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