



CABLES | WIRES | FANS | LIGHTING | SWITCHES





Dear Customers,

The journey of over 4 decades would not have been as exciting and fulfilling without the unconditional support of all our customers & our sales partners, I would like to express our deep gratitude to you for you all have made Polycab as one of the outstanding companies in our industry.

The advent of the second millennium has brought in its wake a transformation in the mindset of the customers. The expectation of customer has risen exponentially. This trend is here to stay and we have to gear up towards keeping our customers totally satisfied.

Despite our rapid growth and elevation to the leadership position in the industry, the simplicity in Polycab's flexibility and openness to new market trends and changing technology continue to be our driving force. The core values of, simplicity, team work, trust amongst people, customer focus and meeting commitments have given us a unique position and respectability among the Indian industry.

Gearing up for the future and to keep winning in tomorrow's world, we have our well recognized market presence with a strong product portfolio, streamlined and efficient manufacturing capabilities to withstand the winds of change. But we will need to be even more proactive, agile and customer centric. We will need to anticipate the future and be ready with solutions, even before the customer asks for them.

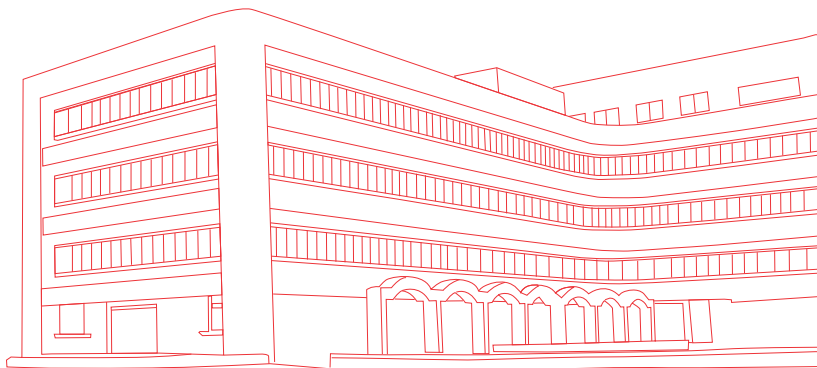
There are many new challenges the cable industry is facing with new market opportunities and product developments, due to thrust in renewable energy sector. We have enthusiastically achieved success towards developing and delivering products for this segment and at the same time ensured to be internationally competitive.

Polycab's business model is evolving. We have identified focus areas of growth over the next 5 years and beyond. Polycab will diversify into adjacent product categories such as Lighting, Luminaires, Switches, Switchgear, Electric Fans and Appliances in the near future. Polycab aspires to be a Rs. 10000+ crores company within the next 4-5 years.

We take this opportunity to thank you and convey our gratitude for the unabated support and trust you have always reposed in Polycab and encouraged it to move ahead confidently. I am confident that this will keep us ahead and winning in our constant endeavor to continue to be the preferred brand in this competitive market.

We hope to improve each day to serve you better and spread happiness.

INDER JAISINGHANI
Chairman & Managing Director



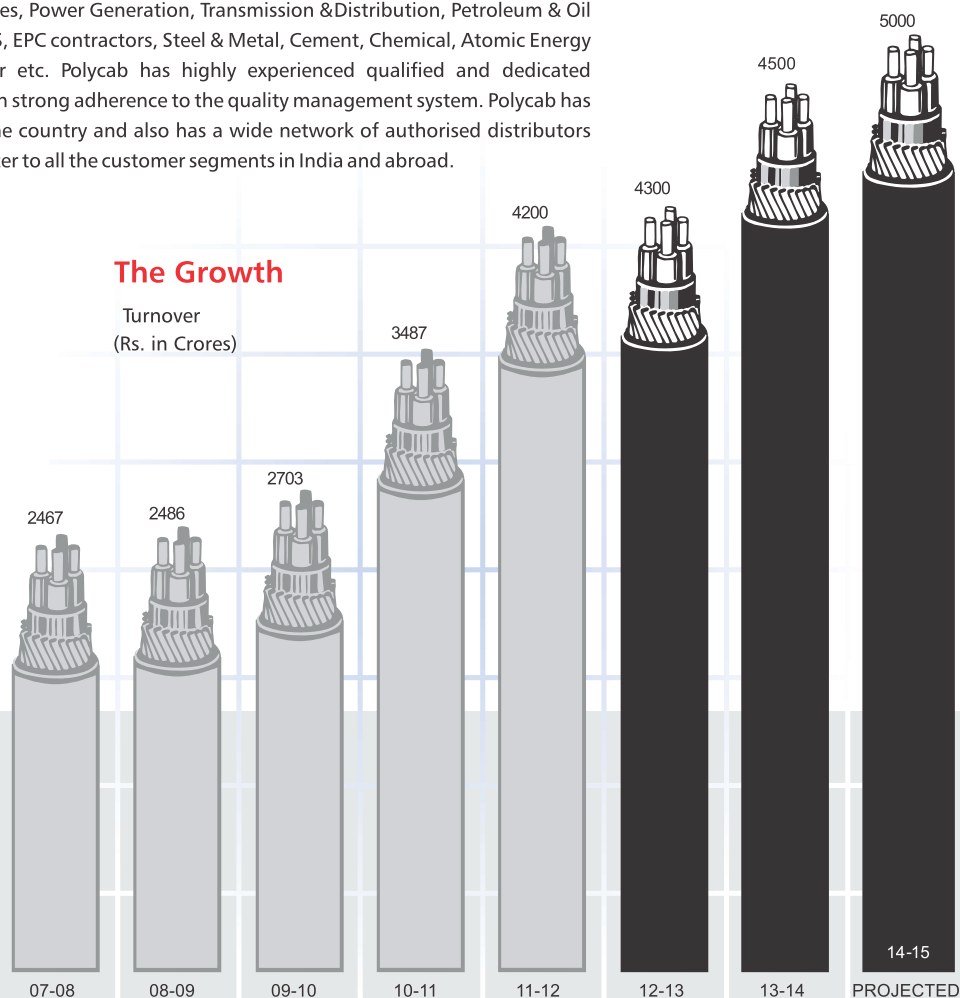
Company Profile

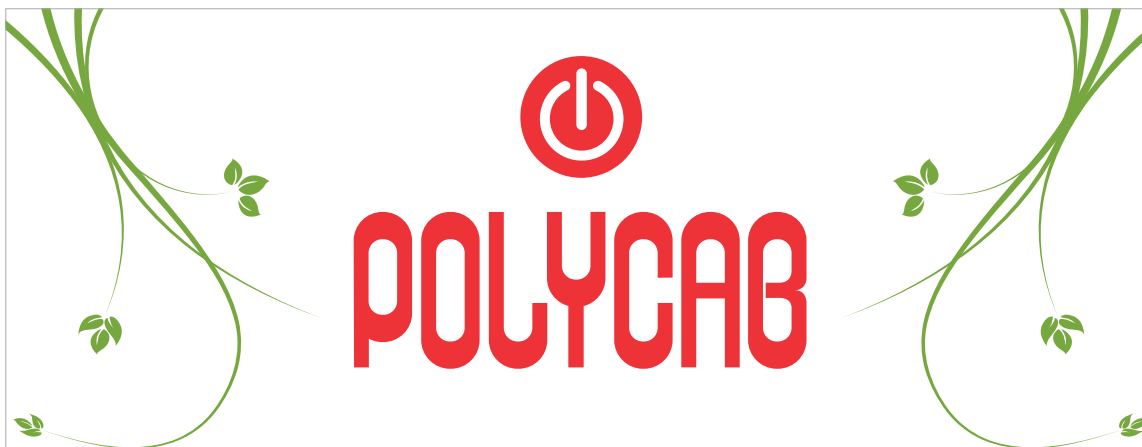
Polycab an ISO 9001:2008, ISO 14001: 2004, OHSAS 18001:2007 company, is India's No. 1 Cables & Wires Company, with a glorious track record of over 4 decades. We have the reputation of being the fastest growing company in the Indian Cable industry. We believe that our competitive edge lies in product innovation as well as superior quality and ready availability. Our Daman and Halol manufacturing facilities were created to address these specific needs. Our manufacturing set-up is state-of-the art, from world renowned suppliers of machinery and technology.

At Polycab, we constantly strive to bring greater happiness to our customers through best in class products and services. We at Polycab understand the importance of both aesthetics and performance. Polycab has crossed Rs. 4300 Crore turnover and is set to achieve Rs. 5000 crore turnover during the year 2013 -14. In an on-going process to improve Customer satisfaction, Polycab offers a variety of services :

- Commercially competitive prices
- Reliable & consistent quality
- Reliable & just intime delivery
- Product development for a changing market
- A targeted stocking policy
- Technical support for applications / projects

Polycab derives its strengths from its Customers. The Growth of the latter is a prerequisite to the growth of the Company and hence customer satisfaction is its prime objective. Over the years sincere service and dedication of its Customers has earned the Company distinguished clientele & Consultants which includes leaders in Sectors like Utilities, Power Generation, Transmission & Distribution, Petroleum & Oil Refineries, OEM'S, EPC contractors, Steel & Metal, Cement, Chemical, Atomic Energy & Nuclear Power etc. Polycab has highly experienced qualified and dedicated professionals with strong adherence to the quality management system. Polycab has offices all over the country and also has a wide network of authorised distributors and dealers to cater to all the customer segments in India and abroad.





QUALITY POLICY

We at Polycab, shall continually strive to provide best quality products on-time, at optimum cost with an objective of enhancing Customer Satisfaction.

We shall achieve operational excellence by continually improving the skills of our associates, keeping their morale high and improving the effectiveness of established Quality Management System.

I. T. JAISINGHANI
Chairman & Managing Director

R. RAMAKRISHNAN
Vice Chairman, Joint MD
and Group CEO

Mumbai
12/04/2012

BASEC PCR

Quality Certifications

BASEC
BSEI APPROVED SERVICE FOR CABLES

CERTIFICATE OF CONFORMITY

This is a conformity to the

Quality Management System

of

Polycab Wires Pvt. Ltd.

conforms to the requirements of

BASEC Product Certification Requirements

including Clause 2.9.1 Form B, RA-2552, 0328, 70-11-13-74
Enhanced Quality Management System for Product/Related Functions

In respect of the following specified in the attached Schedule(s).

Schedule no(s) :-
PCR-210/001
PCR-210/002

Certification for PCR-210 Date of issue: 28th April 2013

Date of original certification: 08th September 2007 Issuing Date: 08th September 2007

This certificate is issued subject to and in accordance with BASEC Regulations and certified compliance.
It does not include requirements for Environmental issues directly relating to the Product and Manufacturing processes as well as limited Health & Safety issues directly relating to the Product and Manufacturing processes.
Signatures of the authorized signatory and the BASEC representative.

David W. [Signature] *[Signature]*

BASEC
BSEI APPROVED SERVICE FOR CABLES

BASEC
BSEI APPROVED SERVICE FOR CABLES

QMS SCHEDULE

PCR includes requirements for Environmental issues directly relating to the Product and Manufacturing processes as well as limited Health & Safety issues directly relating to the Product and Manufacturing processes.

SITE:

Polycab Wires Pvt. Ltd.
74B-11 Damam Industrial Estate
Village Kadaiya
Damam - 395 210
UT
India

Incorporating the following sites:

PWPL (Unit II) - Survey No. 3810, 425 & 1, 421, 2, 421, 3, 421, 4 & 5, 410, 5, 4, 7, 8 & 9
Damam Industrial Estate, Village Kadaiya, Damam 395 210, India

PWPL (Unit-FIDPL-II) - Plot No. 78-92, Silver Industrial Estate, Bhimpore, Damam 395 210, India

PWPL (Unit-FIDPL-I) - Survey No. 5215-8, Damam Industrial Estate, Village Kadaiya, Damam 395 210, India

PWPL (Unit-FIDPL-I) - Survey No. 3211, 2 & 3211, 5, 4 Damam Industrial Estate, Village Kadaiya, Damam 395 210, India

JWPL - Survey No. 747, Damam Industrial Estate, Village Kadaiya, Damam 395 210, India

Schedule No: PCR 210/002 Issue No: 02 Issue date: 28th April 2013

Signatures of the authorized signatory and the BASEC representative.

David W. [Signature] *[Signature]*

BASEC
BSEI APPROVED SERVICE FOR CABLES

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BSEI APPROVED SERVICE FOR CABLES

QMS SCHEDULE

PCR includes requirements for Environmental issues directly relating to the Product and Manufacturing processes as well as limited Health & Safety issues directly relating to the Product and Manufacturing processes.

SITE:

Polycab Wires Pvt. Ltd.
Head Office
771 Jileo House
Pandit Subavalekar Marg,
Mumbai (W)
Mumbai - 400 018
India

SCOPE OF CERTIFICATION

From Village Kadaiya including

Sales and Purchasing

Schedule No: PCR 210/001 Issue No: 03 Issue date: 28th April 2013

Signatures of the authorized signatory and the BASEC representative.

David W. [Signature] *[Signature]*

BASEC
BSEI APPROVED SERVICE FOR CABLES

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QMS SCHEDULE

PCR includes requirements for Environmental issues directly relating to the Product and Manufacturing processes as well as limited Health & Safety issues directly relating to the Product and Manufacturing processes.

SITE:

Polycab Wires Pvt. Ltd.
74B-11 Damam Industrial Estate
Village Kadaiya
Damam - 395 210
UT
India

SCOPE OF CERTIFICATION

The day to day activities and scope of the following cables and wire products, including

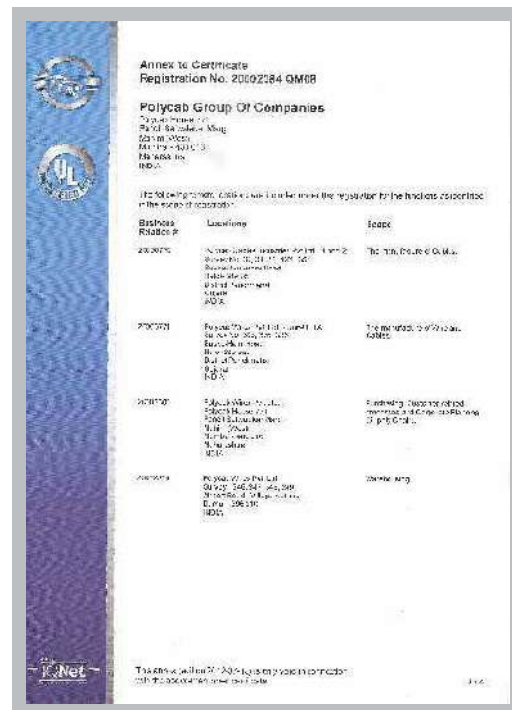
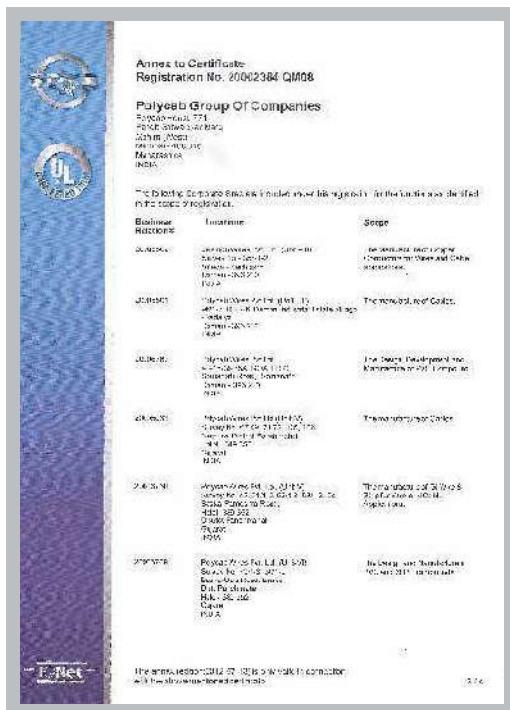
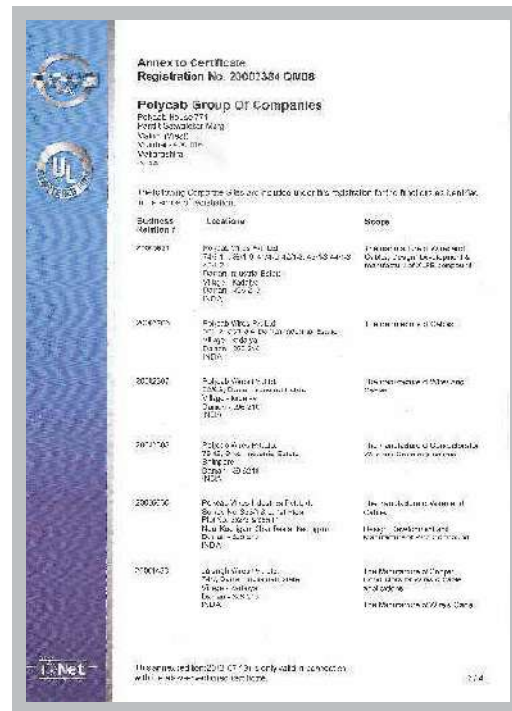
Free Voltage Cables up to and including 33 KV, Medium and High Voltage Cables 6.6 KV to 33 KV, 33KV-core and Multi-core Control and Instrumentation Cables, Co-axial, Railway Signaling and Quad Cables, Fire Resistance Cables using, Braided Copper, Tinned Copper or Aluminium Conductors, XLPE, FRP, PVC or PFI insulation, Armoured or Unarmoured, Lead or Lead Alloy Sheath, PVC, Low Smoke Halogen Free or PBI Overcoated, In Accordance with National and International Specifications.

Schedule No: PCR 210/002 Issue No: 02 Issue date: 28th April 2013

Signatures of the authorized signatory and the BASEC representative.

David W. [Signature] *[Signature]*

BASEC
BSEI APPROVED SERVICE FOR CABLES



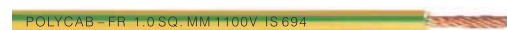
POLYCAB – BOUQUET OF PRODUCTS

LIGHT DUTY CABLES (LDC)

Electrolytic Copper Rod of high purity is accurately drawn on RBD and Fine Wire Drawing Machines and On-Line annealed to form basic copper conductors which are then bunched to the requisite size of cable required. Pressure Extrusion on Quality Extrusion Lines ensures controlled insulation thickness on the multistranded conductor to ensure accurate overall diameter control.

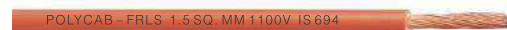
BUILDING WIRES

Energy efficient wires range 0.75 sq. mm to 16 sq.mm with different Insulation properties.



FR-FLAME RETARDANT

Single Core Multi-Stranded Copper conductor, FR PVC Insulated Wires with excellent Flame Retardant properties.



FRLS-FLAME RETARDANT LOW SMOKE

Single Core Multi-Stranded Copper conductor, FRLS PVC Insulated Wires with excellent Flame Retardant and Low Smoke properties.



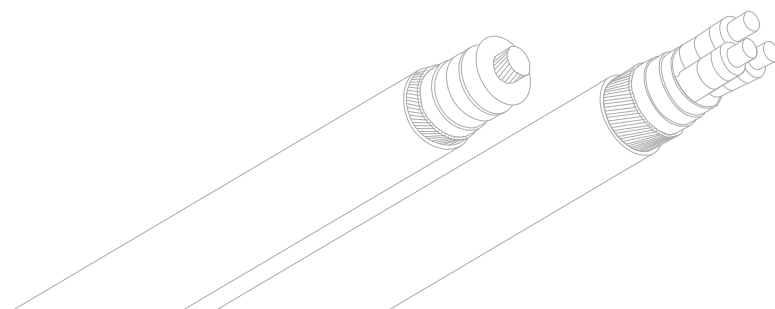
FRZH-FLAME RETARDANT ZERO HALOGEN

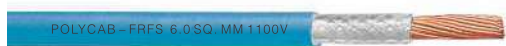
Single Core Multi-Stranded Copper conductor, FRZH Insulated Wires with excellent Flame Retardant and Low Smoke properties having ROHS compliance.



FRLF-FLAME RETARDANT LEAD FREE

Single Core Multi-Stranded Copper conductor, FRLF PVC Insulated Wires with excellent Flame Retardant properties having ROHS compliance supporting Green revolution.





FRFS-FLAME RETARDANT FIRE SURVIVAL

Single Core Multi-Stranded Copper conductor, Mica taped insulated with special compound having excellent Flame Retardant and having continuous circuit integrity for 3 hours at 950°C in case of fire.

SINGLE CORE INDUSTRIAL FLEXIBLES

Energy Efficient Wires Range 0.50 sq. mm to 1000 sq. mm in Class 5 copper conductors with different insulation properties.



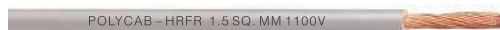
PVC

Single Core Multi-Stranded Copper conductor, PVC Insulated Wires with Flame Retardant properties.



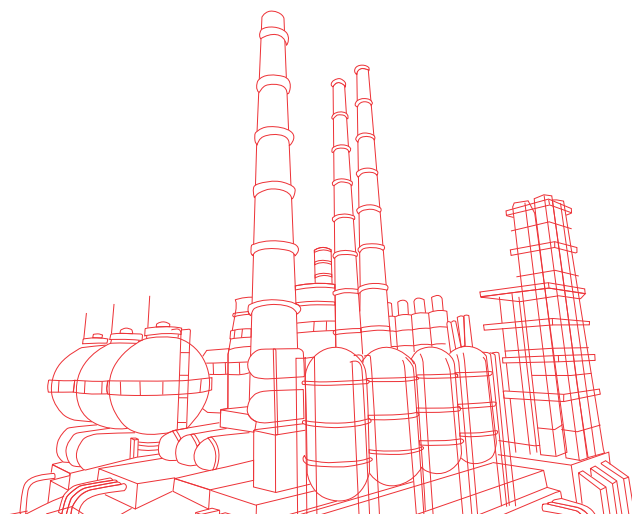
FR-FLAME RETARDANT

Single Core Multi-Stranded Copper conductor, FR PVC Insulated Wires with excellent Flame Retardant properties.



FRLS-FLAME RETARDANT LOW SMOKE

Single Core Multi-Stranded Copper conductor, FRLS PVC Insulated Wires with excellent Flame Retardant and Low Smoke properties.





POLYCAB - HRFR 1.5 SQ. MM 1100V

HRFR-HEAT RESISTANT FLAME RETARDANT

Single Core Multi-Stranded Copper conductor, HRFR PVC Insulated Wires with Heat Resistant and excellent Flame Retardant properties.

HR-HEAT RESISTANT

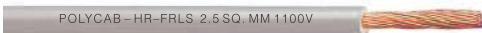
Single Core Multi-Stranded Copper conductor, HR PVC Insulated Wires with Heat Resistant and normal Flame Retardant properties.

FRFS-FLAME RETARDANT FIRE SURVIVAL

Single Core Multi-Stranded Copper conductor, Mica taped with special compound having excellent Flame Retardant and Low Smoke properties with continuous circuit integrity for 3 hours at 950°C in case of fire.

FRZH-FLAME RETARDANT ZERO HALOGEN

Single Core Multi-Stranded Copper conductor, FRZH (Special Compound) Insulated with excellent Flame Retardant Low Smoke and Zero Halogen properties having ROHS compliance.



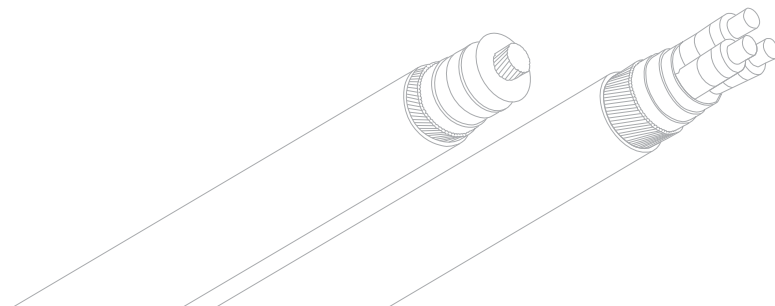
POLYCAB - HR-FRLS 2.5 SQ. MM 1100V

HRFR-HEAT RESISTANT FLAME RETARDANT

Single Core Multi-Stranded Copper conductor, HRFR PVC Insulated Wires with Heat Resistant and excellent Flame Retardant properties.

FRLF- FLAME RETARDANT LEAD FREE

Single Core Multi-Stranded Copper conductor, FRLF Lead Free PVC Insulated Wires with excellent Flame Retardant properties having ROHS compliance supporting Green revolution.



MULTI CORE INDUSTRIAL FLEXIBLE CABLES



2 Core to 61 Core x 0.50 sq.mm to 4 sq.mm, 2 Core to 4 Core from 6 sq.mm to 120 sq.mm in Class 5 copper conductors with different insulation and sheathing properties.

SUBMERSIBLE FLAT AND ROUND CABLES



Flat : 3 Core x 1.50 sq. mm to 95 sq. mm, Round : 3 Core and 4 Core x 1.5 sq. mm to 120 sq. mm in Class 5 copper conductors with PVC/ XLPE Insulation and PVC/ PVC ST2 sheathing properties.

SUBMERSIBLE WRAPPED WINDING WIRES



Single Solid Copper conductor from 0.6 to 3.0 mm wrapped with Superior Grade HR grade BOPP tape with High Abrasion resistance.

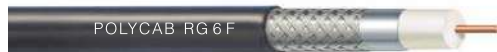


TELEPHONE CABLES



Range: 1 Pair to 100 Pair x 0.40 mm, 0.50 mm and 0.63 mm in solid bare conductor with HDPE Insulation and Flame Retardant Jacketing having lower cross talk and attenuation.

CO-AXIAL CABLES

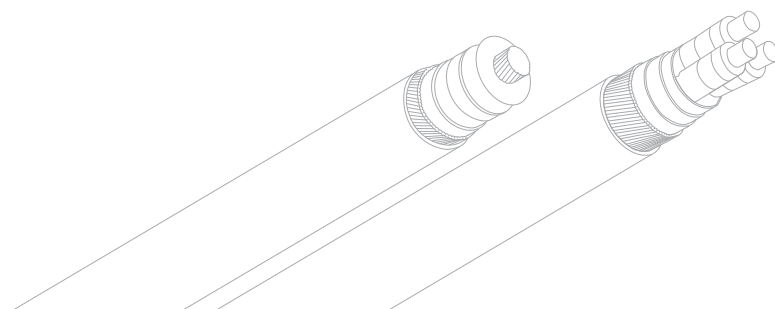


Range: RG 59 F, RG 6 F, RG 6 CCS RG 11 F and RG 11 F CCS – Nitrogen Gas Injected polyethylene foam insulation, composite Al foil laminated and Al-alloy braided for low attenuation with minimum structured return loss under extreme weather conditions to give excellent signal quality giving clear reception on higher bandwidth covering more than 100 Channels.

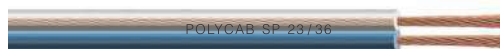
LAN CABLES



Range: Cat 5e & Cat 6 – Twisted Pair, Insulated with High Quality Polyethylene and Unshielded Light Grey PVC Jacket with Improved Fire Retardant properties, Low attenuation and crosstalk and Low Structural return loss. Twin Parallel 23 / 36, 23 / 38, 40 / 36 and 40 / 38.



SPEAKER CABLES



Range: Polycab provides Speaker Cables with high quality oxygen free copper conductor ensuring excellent sound quality for your expensive sound system. Selecting the right gauge, length, and type of speaker wire for your system helps avoiding mismatch with your sound system.

WELDING CABLES

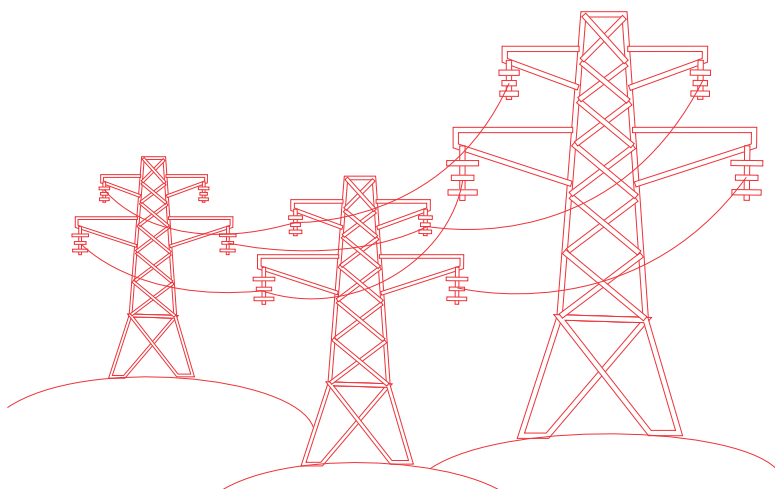


Range: 1C x 16 to 95 sq.mm - Flame retardant elastomeric insulation with Class 6 copper conductor for greater flexibility and resistant to heat and oil

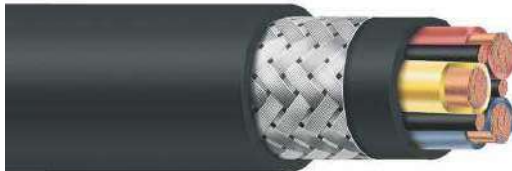
RUBBER CABLES



Range: 1C to 61 cores from 0.50 sq.mm upto 2.5 sq.mm and sizes 0.5 sq.mm to 630 sq.mm – Annealed tinned Copper conductor- Class 5, Melinex taped Ethylene Propylene Rubber/Silicon insulated, Polychloroprene HDHOFR PCP / CSP / Silicon rubber sheathed 1.1 kV grade, fire retardant, oil and ozone resistant, heat resistant, rubber cables conforming to IS 9968 Part -1 : 1988.

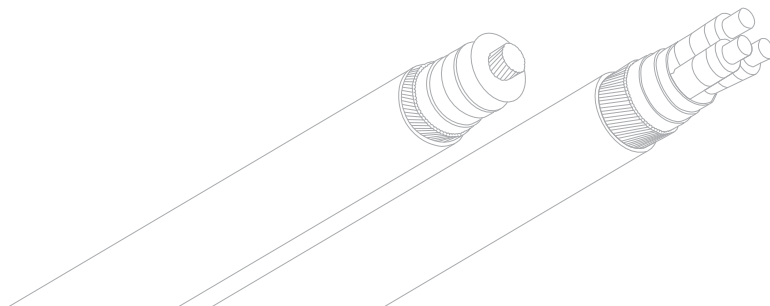


SPECIALITY CABLES



Suited for various applications such as :

- MARINE, OIL & GAS A (OFFSHORE ONSHORE)
- EXTREME FIRE CONDITIONS
- HIGHLY CORROSIVE ENVIRONMENT
- TRAFFIC SIGNALLING AIRCRAFT
- SPACE STATION AUTOMOBILES
- ANTI-THEFT CABLE
- VVF CABLE



SOLAR DC / AC CABLES

SOLAR DC CABLES

Class 5 Bare / Tinned Copper conductor insulated with XLPE / Cross linkable Low Smoke Zero Halogen compound suitable for conductor temperature beyond 120°C and sheathed with UV stabilized Cross linkable Low Smoke Zero Halogen compound - in sizes 1C x 2.5 sq. mm to 25 sq. mm

Application: Interconnection of Photo Voltaic Modules in air.

SOLAR DC CABLES

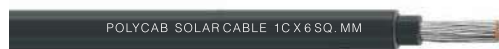
Class 5 Bare / Tinned Copper conductor insulated with XLPE / PVC and sheathed with UV stabilised PVC ST2 compound – in sizes 1C x 2.5 sq. mm to 25 sq. mm

Application: Interconnection of Photo Voltaic Modules in Conduit.

SOLAR DC CABLES

Class 5 Bare / Tinned Copper / Class 2 Aluminium conductor insulated with PVC / XLPE, PVC ST2 inner sheathed GI / Aluminium round/strip wire armoured and outer sheathed with UV stabilised PVC ST2 compound – in sizes 1C x 25 sq. mm to 400 sq. mm

Application: Connection of Collector to Inverter in Air/Underground Trays.



LT SOLAR AC CABLE

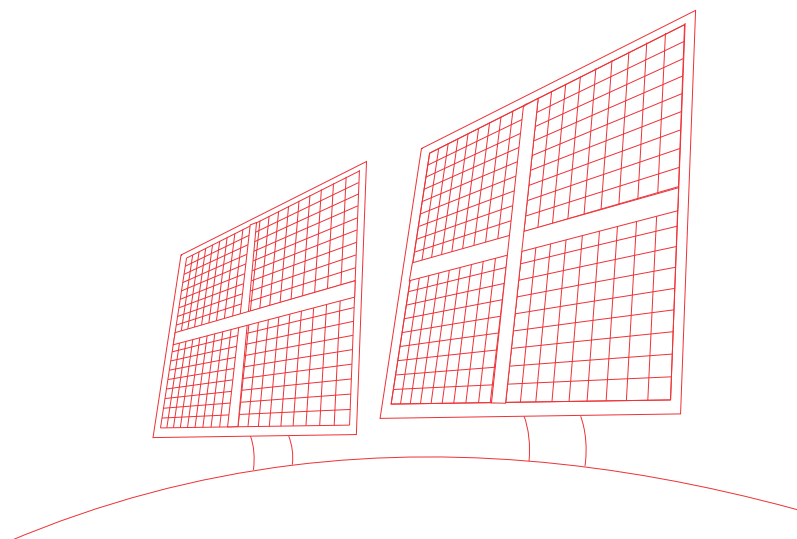
Class 2 Aluminium conductor insulated with XLPE, PVC ST2 inner sheathed, GI round / strip wire Armoured and outer sheathed with UV Stabilised PVC ST2 – in sizes 3/3.5C x 25 sq. mm to 400 sq. mm

Application: Connection of Inverter to Transform in Air / Underground Trays.

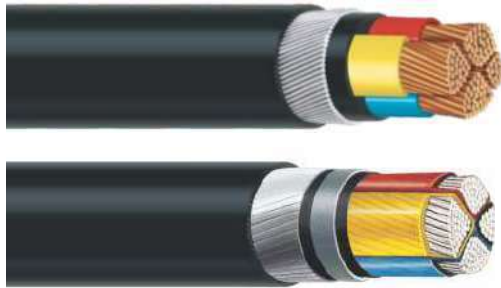
HT SOLAR AC CABLE

Class 2 Aluminium conductor, semicon covered, XLPE insulated, Semicon covered, Copper Taped, PVC ST2 inner sheathed, GI round/strip wire armoured and sheathed with UV Stabilised PVC ST2 compound - in sizes 3C x 35 sq. mm to 240 sq. mm

Application: Connection of Transformer to Grid in Air / Underground Trays.



LV POWER CABLES



1100 Volts Grade: BASEC / KEMA / (CPRI / ERDA Tested) Power Copper / Aluminum Cables, Solid / Stranded conductor, PVC / XLPE Insulated, cores laid up, PVC / FR / ST2 / FRLS / LSZH taped extruded innersheath, Unarmoured / Armoured, extruded PVC / FR / St2 / FRLS / LSZH sheathed cables from 2.5 sq. mm to 1000 sq. mm and in 2/3/3.5/4 core as per IS 1554/ IS 7098 (Part 1) 1988 and generally confirming to IEC 60502-1/ BS 5467/BS 6724.

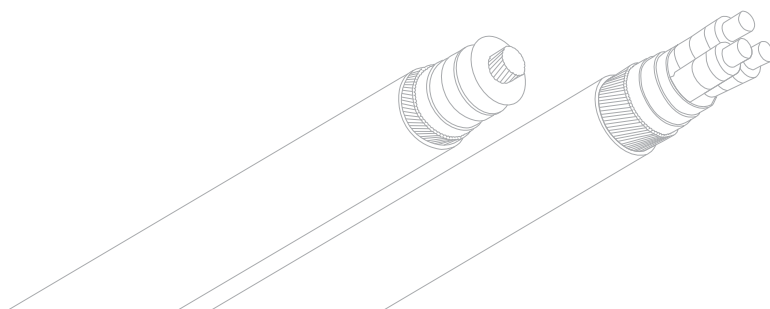
Above cables can be supplied with lead sheath wherever required

LV CONTROL CABLES



110 Volts Grade: BASEC / KEMA / (CPRI / ERDA Tested) Control Copper Cables, Solid / Stranded conductor, PVC/XLPE Insulated, cores laid up, PVC / FR / ST2 / FRLS / LSZH Taped / extruded inner sheath. Unarmoured / Armoured. Extruded PVC / FR / ST2 / FRLS / LSZH sheathed cables from 2 to 100 core in 1.5 and 2.5 sq. mm as per IS 1554/ IS 7098 (PART 1) 1988 and generally confirming to IEC 60502-1/BS 5467/BS 6724.

Above cables can be supplied with lead sheath wherever required



MV POWER CABLES



Three Core Copper / Aluminium Conductor, Conductor Screened with Extruded Semi-conducting compound, XLPE Insulated, Insulation Screened with semiconducting compound in combination with copper tape (0.3 KA for one sec.), PVC ST2 / FR / FRLS / LSZH inner heathed, Unarmoured / GI Steel (Aluminium in case of Single Core) flat / round armoured, and overall PVC ST2 / FR / FRLS / LSZH Sheathed cable conforming to IS: 7098 /II / 85, IEC 60502-2 / BS 622 / BS 7835 from sizes 35 sq. mm to 1200 sq. mm

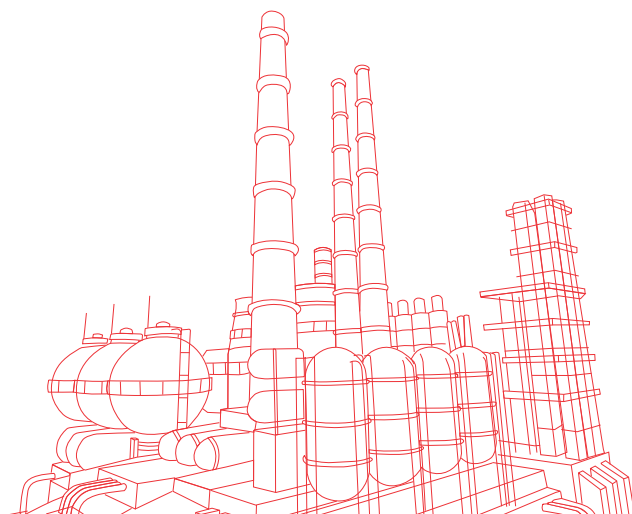
Above cables can be supplied with lead sheath wherever required

EHV POWER CABLES



66 to 220 kV Grade : Type ested at CPRI Single Core, Stranded Compact Circular Aluminium / Copper Conductor, Conductor Screened with Extruded Semiconducting compound, XLPE Insulated, Insulation Screened extruded semi-conducting compound, Semi-conducting water swellable tape, concentric metallic screen, Poly-Al sheath, Metal Sheath (Lead or Corrugated Aluminum), Graphite coated HDPE / PVC outer sheath conforming to IS: 7088/III/93 (Reafirmed 1998) or IEC 60840 & 62067 from sizes 185 sq.mm to 1200 sq.mm

Above cables be supplied with lead sheath wherever required



OVERHEAD CONDUCTORS



Aluminium Conductors : Steel Reinforced (ACSR) for EHV Power Transmission from sizes 185 sq. mm to 2000 sq. mm.

LT AERIAL BUNCHED CABLES (ABC)

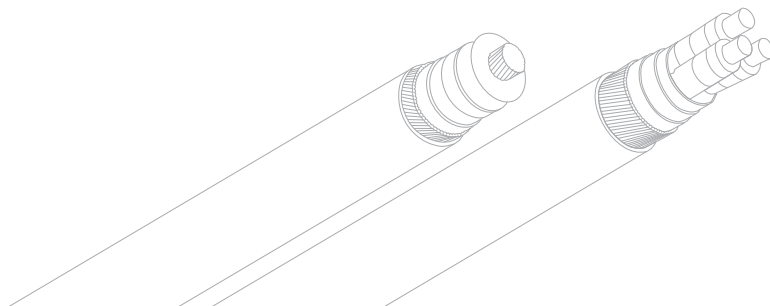


XLPE/Black HDPE insulated aluminium conductors of are laid together (twisted) around Aluminium Alloy / ACSR conductor insulated or bare messenger wire to form the Aerial Bunched Cable. Optional features with neutral & street lighting conductor if and when required.

MV AERIAL BUNCHED CABLES (ABC)



6.35/11kV Grade : Tested at ERDA. XLPE insulated Aluminium conductors, screened, cores laid together (twisted) around a bare messenger conductor of AAAC / ACSR from Single Core 70 sq. mm to 300 sq. mm & Three Core 50 sq. mm to 300 sq. mm.



FIRE SURVIVAL CABLES (FS)



CPRI/ERDA/BRE Global Tested

Stranded Copper Conductor covered with layers of Mica Glass Tape, EPR / XLPE / Silicon / FR-XLPE insulated, cores laid up, extruded FRLS / LSOH inner sheathed, Unarmoured / GI Armoured, extruded FRLS / LSOH Outer sheathed Fire Survival Cables generally conforming to IEC 60331, BS 7846 & BS 6387 category CWZ.

INSTRUMENTATION CABLES



INDIVIDUAL AND OVERALL SHIELDED CABLES

Stranded / Solid Copper Conductor, PE / PVC / HR-PV / XLPE / Silicon / FR-XLPE Insulated each Pair / Triad laid up shielded individually with Mylar / Drain Wire / Al Mylar, all Pairs / Triads then laid up together overall shielded with Mylar / Drain Wire / Al Mylar, PE/PVC / FRLS / PVC ST 2 / LSOH Inner sheathed Unarmoured / GI Steel round Wire/Strip/ GI Steel Wire braided (Armoured), PVC / FR / FRLS / PVC St2 / LSOH Outer Sheathed from 2 Pair / Triad to 61 Pair / Triad in sizes 0.5 sq. mm to 2.5 sq. mm.

Above cables can be supplied with lead sheath wherever required





OVERALL SHIELDED CABLES

Standed / Solid Copper Conductor, PE / PVC / HR-PVC XLPE / Silicon/ FR-XLPE Insulated, Core / Pair / Triad / Quad laid up together overall shielded with Mylar / Drain Wire / Al Mylar, PE / PVC / FRLS / PVC ST / LSOH Inner sheathed, Unarmoured / GI Steel round wire /Strip /GISteel Wire braided (Armoured) PVC FR/ FRLS /PVC ST2 / LSOH Outer Sheathed from 2 to 61 Core and 1 to 61 Pair / Triad/ Quad in sizes 0.5 sq. mm to 2.5 sq. mm.

Above cables can be supplied with lead sheath wherever required



INDUSTRIAL BRAIDED CABLES

Annealed Bare Copper Flexible Conductor Class 5, PVC Insulated, Tinned Cu Braided, PVC Sheathed Flexible Unarmoured / GI Steel Wire Armoured, PVC outer sheathed Cables, 1100 Volts from 2 to 61 Core in sizes 0.5 to 2.5 sq. mm and from 3 & 4 Core in sizes 4 to 16 sq. mm.

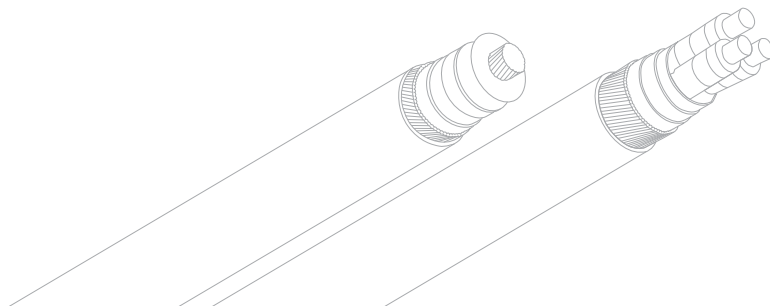
RAILWAY SIGNALLING CABLES

RDSO Approved



UNDER GROUND RAILWAY SIGNALLING CABLES

1.1kV Grade Copper Conductor Armoured Unscreened PVC Insulated signalling cable as per IRS 63/2007 with Amendment No.1 or latest.



POWER CABLE AS PER IRS & IS SPECIFICATION

1.1kV Grade Aluminum Conductor Armoured PVC Insulated signalling cable as per IRS 63/89 or 1554-Part-1 with amendment latest .



UNDER GROUND RAILWAY PIJF 4 & 6 QUAD 0.9 MM & 1.4 MM CABLES

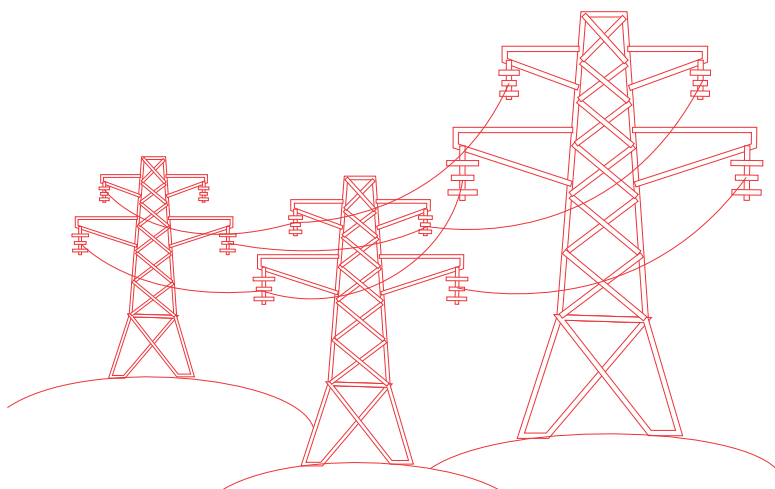
Quad Jelly Filled cable 0.9 mm dia, Aluminum sheathed metallic armoured as per Specification No. IRS: TC-30/05. With latest amendment.

UNDER GROUND RAILWAY PIJF TELEPHONE CABLES

Underground Polythene Insulated jelly filled cable with Poly-Al. Moisture Barrier Armoured Telephone cable as per IRS 41/97 with latest amendment.

SINGLE STRAND & MULTI STRAND COPPER WIRES AS PER RAILWAY SPECIFICATION

Supply of Power Wire PVC Insulated Single Core multi strand unsheathed with plain annealed copper conductor as per IRS:S-76 / 89 Amndt-3, copper cable of 6 sq. mm - for wiring in track circuit battery location box in Red & Black colour.



THERMO COUPLE AND COMPENSATING CABLES



THERMOCOUPLE CABLES

Different metal pairs generate different emf which is proportionate to the hot junction and the point where it is measured. Common combination of thermocouple metals and their applications are :

- 1) K - Chromel / Alumel - Most commonly used
- 2) T - Copper / Constantan - for low temperature & cryogenic applications
- 3) J - Iron / constantan - highest EMF output
- 4) R - (Platinum-13% Rhodium) / Platinum & S - (Platinum-10% Rhodium) / Platinum - very high temperature measurements
- 5) B - (Platinum-30% Rhodium) / Platinum - mainly used in glass industry. Different colour codes of cores and sheathing as per international practices are used to denote the various thermocouple cables.

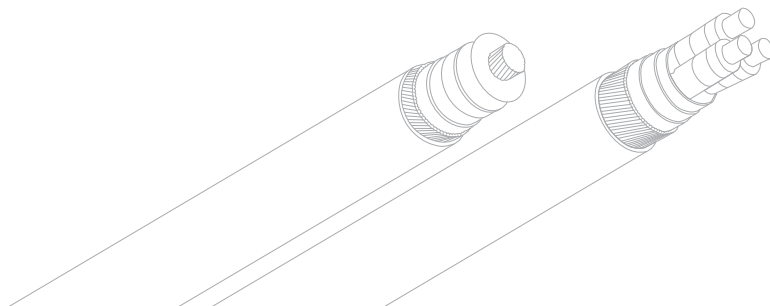
COMPENSATING CABLES

Extension leads of different metals but having similar EMF output between 0°C to 100°C connected between Thermocouple metal junction and the measuring instruments are called compensating cables which are generally recommended as solid conductor leads.



JELLY - FILLED TELEPHONE CABLES

Solid annealed copper, polythene insulates, petroleum jelly filled with Poly-Al laminate moisture barrier, polythene sheathed, unarmoured / armoured polythene jacketed as per DOT/ Polycab specifications.



MULTICORE FLEXIBLE CABLES FOR LIFTS AND CRANES



Multicore Flat Flexible Cables construction comprises of:

Conductor Construction: Bunched construction of Annealed Bare Copper, Class 5 of Electrolytic Grade.

Insulation: Specially formulated PVC compound IS 5831 to give glossy finished core with high flexibility.

Sheathing: Specially formulated PVC compound IS 5831 to give glossy finished core with high flexibility.

Unique Identification: Special knurled surface finish throughout the width of the cable for flat and knurled stripe is given for Round Multicore Flexible Cables to give unique identification.

Range: Flat as well as Round Multicore Flexible Cables can be offered from 3 cores to maximum 16 cores from sizes 0.5sq.mm to 4sq.mm and 3 cores & 4 cores in sizes 6sq.mm to 16sq.mm.

Extra Feature: We can also provide extra core of steel wire to provide mechanical strength to these flat cables with one such core for every 4 cores of Copper Conductors.

UNIQUE FEATURES:

- 1) Online copper drawing and annealing
- 2) Glossy finish cable
- 3) Soft touch
- 4) Very high flexibility
- 5) Suitable for usage from -15°C to +70°C applications

