

**ISO**  
9001:2008

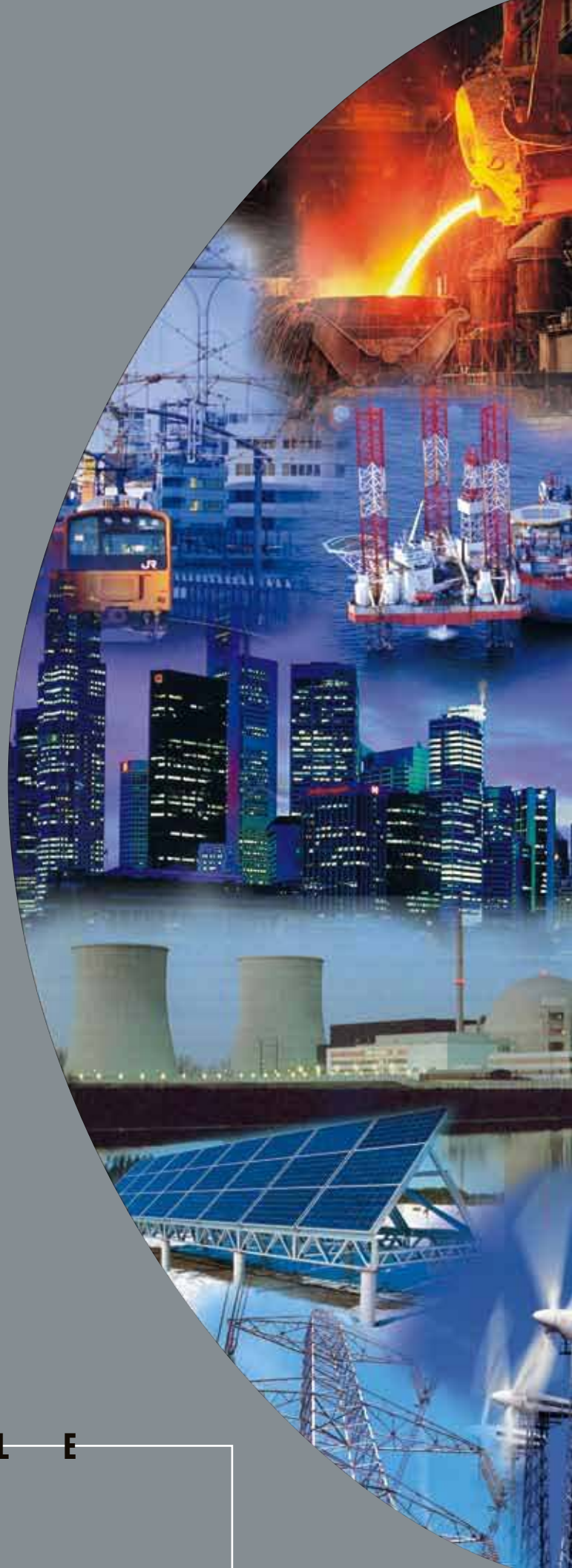
**ISO**  
14001:2004

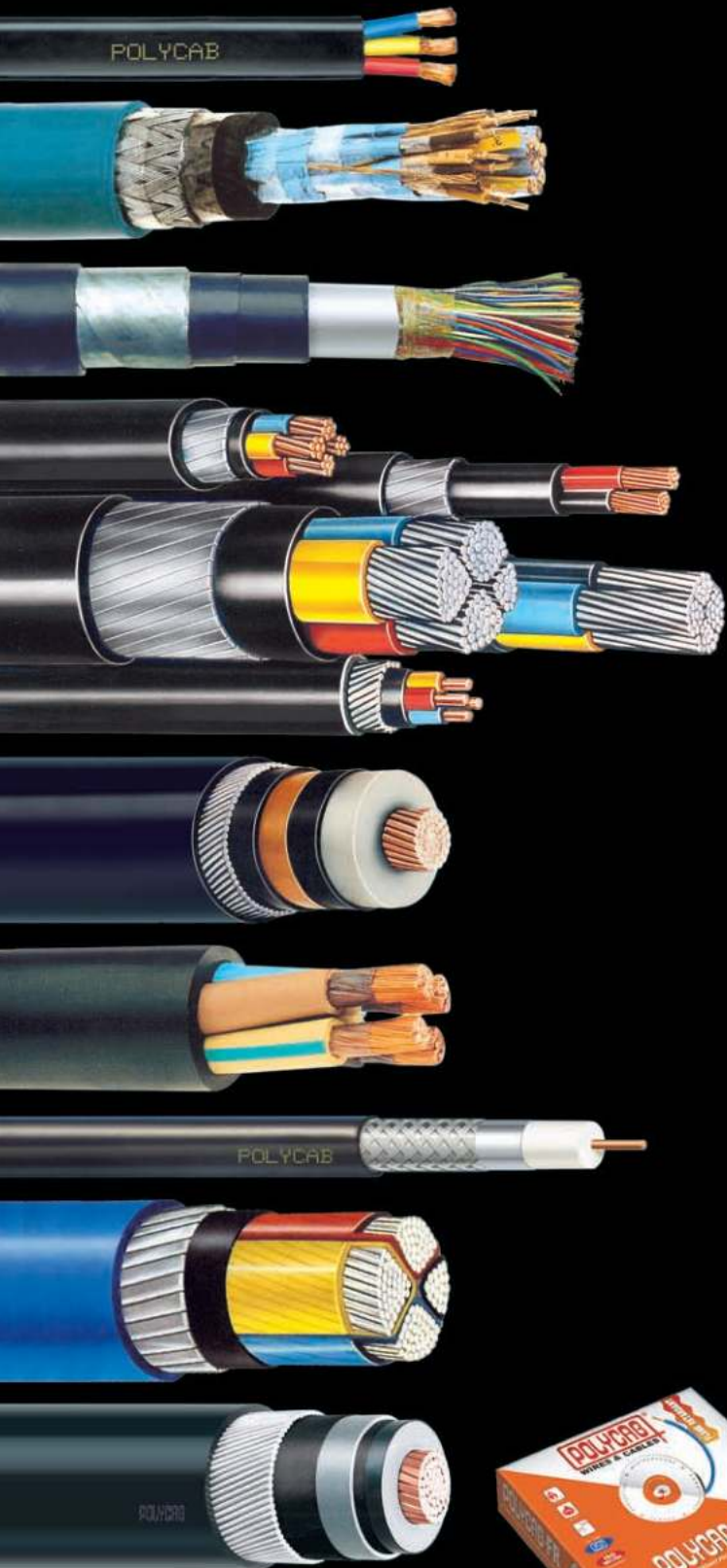
**OHSAS**  
18001:2007



**POLYCAB**<sup>®</sup>  
WIRES & CABLES

P R O F I L E





## PRODUCT RANGE

- L.V. PVC & XLPE POWER CABLES WITH COPPER AND ALUMINIUM CONDUCTOR
- L.V. PVC & XLPE CONTROL CABLES WITH COPPER CONDUCTOR
- M.V. POWER CABLES UPTO 33 kV
- EHV CABLES FROM 66kV TO 220kV
- M.V. / L.V. AERIAL BUNCHED CABLES (ABC)
- ZERO HALOGEN CABLES
- FIRE SURVIVAL CABLES (FS)
- INSTRUMENTATION CABLES SCREENED / UNSCREENED
- INDUSTRIAL BRAIDED CABLES
- THERMO COUPLE / COMPENSATING CABLES
- LEAD SHEATHED CABLES
- RUBBER CABLES
- RAILWAY SIGNALLING CABLES
- TELEPHONE CABLES – DRY & JELLY FILLED
- BUILDING WIRES – FR / FRLS / FRZH / FRLF / FRFS
- SINGLE CORE INDUSTRIAL FLEXIBLES – PVC / FR / FRLS / FRZH / HRFR / HR / HR-FRLS / FRLF / FRFS
- MULTI CORE INDUSTRIAL FLEXIBLE CABLES
- SUBMERSIBLE FLAT AND ROUND CABLES
- SUBMERSIBLE WRAPPED WINDING WIRES
- COAXIAL CABLES
- LAN CAT-5E / CAT 6 CABLES
- WELDING CABLES
- SOLAR AC / DC CABLES
- STEEL BRAIDED CABLES
- SPECIALITY CABLES – SUITED FOR MARINE / OIL & GAS / EXTREME FIRE CONDITIONS / HIGHLY CORROSIVE ENVIRONMENT / TRAFFIC / AIRCRAFT / SPACE STATION / AUTOMOBILES





*Dear Customers,*

The journey of over 3 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.

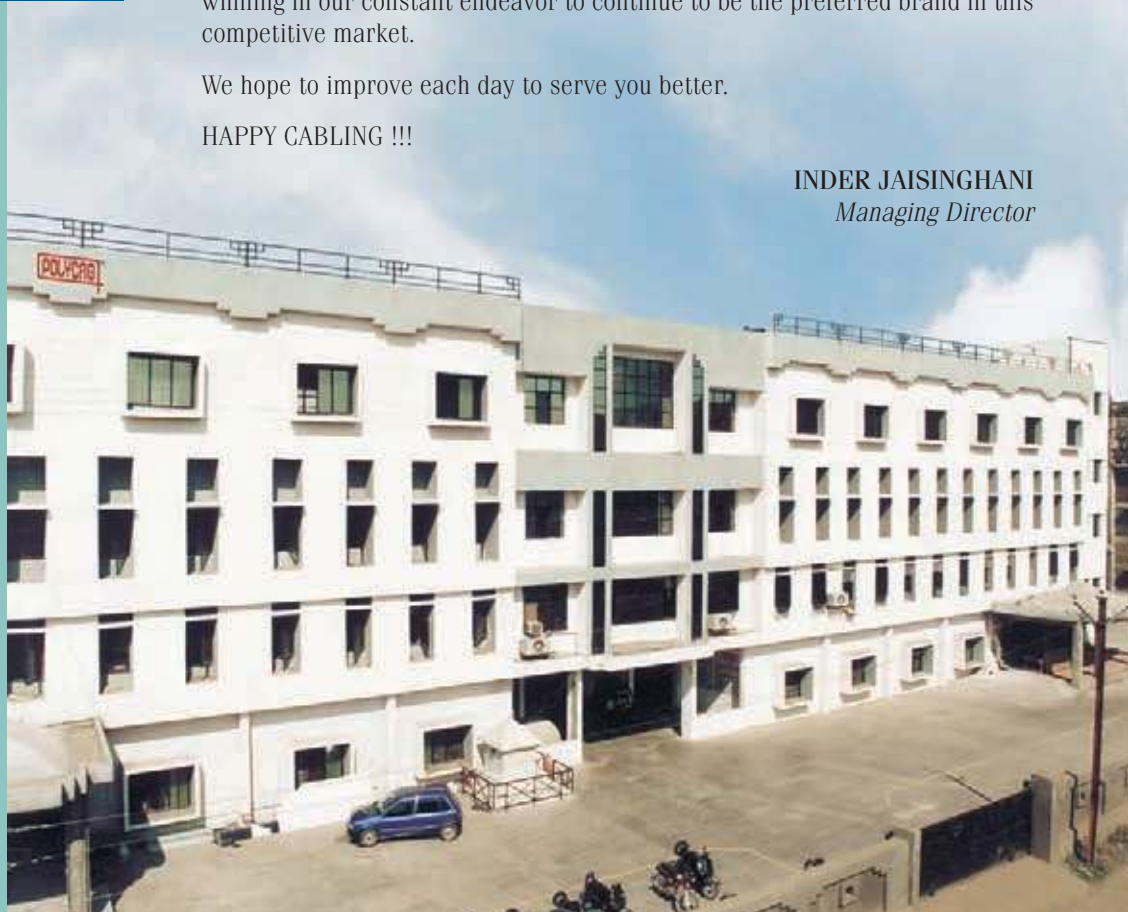
Polycab's business model is evolving. We are enhancing our key internal operations to ensure a consistent and positive experience for our customers. Our business processes will begin and end with the customers. We have identified focus areas of growth over the next 5 years and beyond. Polycab aspires 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.

HAPPY CABLING !!!

**INDER JAISINGHANI**  
*Managing Director*



## COMPANY PROFILE

POLYCAB, an ISO 9001 : 2000 company is the largest Wire & Cable manufacturer in India with a proven track record of over three decades. The fastest growing company in the Indian Cable Industry with consistent growth. Polycab has crossed Rs. 3400 crore turnover and is set to achieve Rs. 4000 crore turnover during the year 2011-12.

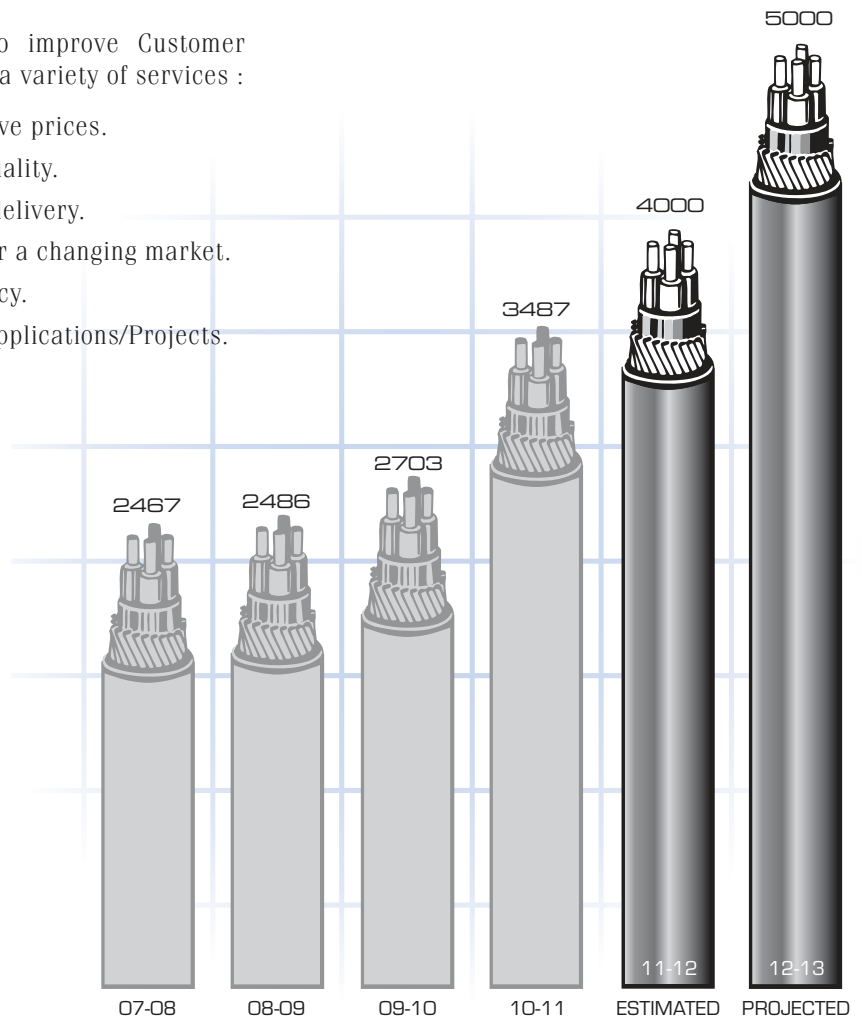
From a modest beginning with Wires and Cables, over three decades ago Polycab set up State of Art manufacturing facilities at Daman in 1996. In the manufacture of cables, a competitive edge lies not so much in product innovation as in consistent quality and ready availability. Polycab's Daman & Vadodara Manufacturing Facilities on 250 acres of land was created to address these key market determinants. The manufacturing set up is sourced out from the world renowned Machinery and Technology suppliers with constant upgradation and expansions.

In an on-going process to improve Customer Satisfaction, Polycab offers a variety of services :

- Commercially competitive prices.
- Reliable & consistent quality.
- Reliable & just in time 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.



## THE GROWTH

Turnover  
(Rs. in Crores)

# QUALITY POLICY

*We at POLYCAB, constantly aim to produce quality product to the customer's satisfaction through our Quality Management System.*

# QUALITY CERTIFICATIONS

**KEMA Test Certificate**  
No: 70870004 (211692000)  
Issued to: Polycab Wires Pvt. Ltd. Mumbai, India  
For the product: Cable 0.6/1 kV - 4x2.5 mm<sup>2</sup> and 6x100 mm<sup>2</sup>  
Trade name:  
Type/model:  
Twisted cables:  
Shielded range:  
Manufactured by:  
Requirement:  
This Test Certificate corresponds to KEMA  
The examination has the Test Certificate of production with the  
KEMA Quality B.V. Amhem, The Netherlands  
H.R.M. Barents Certification Manager

**BASEC**  
Product Certification License  
This is to certify that:  
Polycab Wires Pvt. Ltd.  
74/8-Daman Industrial Estate  
Village Kadaiya  
Daman-396219  
UT  
India  
is licensed to use the BASEC Mark as defined in the BASEC Product Certification Requirements, in respect of products identified in the Product Certification Schedules listed in the Tables, shown below, which form an integral part of this Certificate.  
License Number: 176  
Date: 24<sup>th</sup> May 2011  
Valid till: 0<sup>th</sup> September 2012  
Class: 176/001/T

**UL DQS Inc. Management Systems Solutions**  
CERTIFICATE  
UL DQS Inc. Management Systems Solutions  
Proudly certifies that the company  
**Polycab Wires Pvt. Ltd.**  
Unit - 1, Survey No. 748, B, 10 & 11  
Daman Industrial Estate, Village Kadaiya  
Daman - 396 219  
INDIA  
has implemented and maintains  
Scope:  
The manufacture of PVC/ULPEF Power and Control Cables, High Frequency, Thermoset Cable, Shielded and Low Smoke Cable Cables for Industrial, Domestic and The manufacture of Conductors  
Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:  
**ISO 9001 : 2008**  
Certificate Registration No. 10002345 63004  
Original Certification Date: 2010-09-22  
Revision Date:  
Date of Certification: 2015-05-21  
Valid until:  
Signature: J. N. Patil  
General Manager  
1133 West Lake Club Road, Suite 340, Buffalo, NY 14221-4224

**UL DQS Inc. Management Systems Solutions**  
CERTIFICATE  
UL DQS Inc. Management Systems Solutions  
Proudly certifies that the company  
**Polycab Wires Pvt Ltd**  
748-11, 361-6, 434-8, 431-2, 431-3, 441-3, 451-2  
Daman Industrial Estate, Village Kadaiya  
Daman - 396 219  
INDIA  
has implemented and maintains  
Scope:  
The environmental management system of Aluminum/Copper Conductors for Overhead Transmission and Cables, PVC/ULPE/Esosulene and Control Cables, High and Low Frequency, Thermoset Cable, Fire Retardant and Low Smoke, and Signaling Cables for Industrial, Domestic and Signaling located at Daman (JIT) & Haveli (JIT)  
Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:  
**ISO 14001 : 2004**  
Certificate Registration No. 10002345 63004  
Date of Certification: 2010-09-22  
Valid until:  
Signature: J. N. Patil  
General Manager  
1133 West Lake Club Road, Suite 340, Buffalo, NY 14221-4224

**UL DQS Inc. Management Systems Solutions**  
CERTIFICATE  
UL DQS Inc. Management Systems Solutions  
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**Polycab Wires Pvt Ltd**  
748-11, 361-6, 434-8, 431-2, 431-3, 441-3, 451-2  
Daman Industrial Estate, Village Kadaiya  
Daman - 396 219  
INDIA  
has implemented and maintains a  
**Occupational Health and Safety Management System**  
Scope:  
The occupational health and safety management system of Polycab Wires Pvt. Ltd associated with the manufacture of Aluminum/Copper/Trayed Copper Conductor for Wire and Cables, Conductors for Overhead Transmission Purpose, PVC/ULPE/ULPE/Esosulene for Wire and Cables, PVC/ULPE/Esosulene Wire and Cables, High, Medium and low voltage Power and Control Cables, High and Flexible Wires, Jelly Filled Telecommunication Cable and Dry Telecommunication Wires and Cables, Cable for Instrumentation, Signal, Radio Frequency, Thermoset Extension Cables, Fire Retardant, Free Halogen, Zero Halogen, Flame Retardant and Low Smoke Cable, Special Cable, Dry & Jelly Filled Cord Cable and Railway Cord and Signaling Cables for Industrial, Domestic and Agriculture Application located at Daman (JIT) & Haveli (JIT), India is the requirement of OHSAS 18001:2007 standard.  
Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:  
**BS OHSAS 18001 : 2007**  
Certificate Registration No. 10002345 63004  
Date of Certification: 2010-09-22  
Valid until: 2015-05-21  
Signature: J. N. Patil  
General Manager  
1133 West Lake Club Road, Suite 340, Buffalo, NY 14221-4224



## POLYCAB - BOUQUET OF PRODUCTS

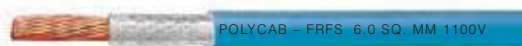
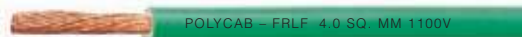
### LIGHT DUTY CABLES (LDC)

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 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 normal Flame Retardant properties
- FR-FLAME RETARDANT**  
 Single Core Multi-Stranded Copper conductor, FR PVC Insulated Wires with excellent Flame Retardant properties



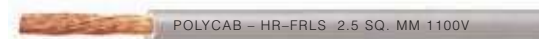


- **FRLS-FLAME RETARDANT LOW SMOKE**  
Single Core Multi-Stranded Copper conductor, FRLS PVC Insulated Wires with excellent Flame Retardant and Low Smoke properties
- **HRFR-HEAT RESISTANT FLAME RETARDANT**  
Single Core Multi-Stranded Copper conductor, HRFR PVC Insulated Wires with Heat Resistant and 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
- **HR-FRLS**  
Single Core Multi-Stranded Copper conductor, HR-FRLS PVC Insulated Wires with Heat Resistant, excellent Flame Retardant and Low Smoke 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 0.50sq.mm to 4sq.mm, 2 Core to 4 Core from 6sq.mm to 120sq.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 0.63mm in solid bare conductor with HDPE Insulation and Flame Retardant Jacketing having lower cross talk and attenuation



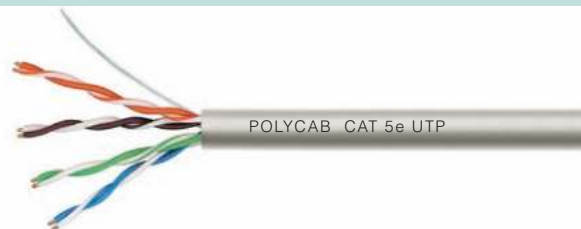
## Co-axial Cables

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.



## Speaker Cables

Range: Twin Parallel 23/36, 23/38, 40/36 and 40/38 – 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 0.5sq.mm to 630 sq.mm – Annealed tinned Copper conductor- Class 5, Melinex taped Ethylene Propylene Rubber/Silicon insulated, Polychloroprene HD HOFR 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 (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 CABLE:**

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 stabilised 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 CABLE:**

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 CABLE:**

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 Transformer 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

## Steel Braided Cables

Copper conductor, Single Core / Multi Core / Multi Pair PVC / XLPE / FR-XLPE insulated, Steel wire braided(Armouring), PVC / PVC-ST2 / FR / FRLS / LSOH sheathed cables to provide flexibility and added mechanical protection.

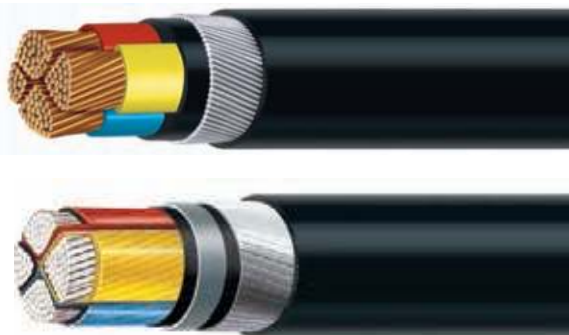




## LV POWER CABLES

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 conforming to IEC 60502-1 / BS 5467/BS 6724.

*Above cables can be supplied with lead sheath wherever required*



## LV CONTROL CABLES

1100 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 innersheath, 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 conforming to IEC 60502-1 / BS 5467 / BS 6724.

*Above cables can be supplied with lead sheath wherever required*



## MV POWER CABLES

3.3 to 33kV Grade – Type Tested at KEMA/ CPRI/ ERDA  
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 sheathed, 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 6622 / 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 220kV Grade – Type Tested 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: 7098/III/93 (Reaffirmed 1998) or IEC 60840 & 62067 from sizes 185 sq.mm to 2000 sq.mm

*Above cables can 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-PVC / 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

Stranded/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 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 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 SIGNALING 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 signaling 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.





## THERMOCOUPLE AND COMPENSATING CABLES

### Thermocouple Cables:

Different metal pairs generate different emfs 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-Used in reducing atmosphere,
- 4) E-Chromel/Constantan-Highest EMF output,
- 5) R-(Platinum-13% Rhodium) / Platinum & S-(Platinum-10% Rhodium) / Platinum-Very High Temperature measurements,
- 6) 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 metals 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 insulated, Petroleum Jelly filled with Poly-al laminate moisture barrier, Polythene sheathed, Unarmoured / Armoured Polythene Jacketed as per DOT/Polycab specifications



## PVC ELECTRICAL GRADE CONDUITS AND FITTINGS

Rigid Electrical Grade PVC Conduits (Pipes) in various IDs from 16 mm to 63 mm for Light, Medium and Heavy duty usage with all related fittings to complete the conduit wiring required for any installation. FRLS and Low Halogen Pipes are specially made against orders.



## APPROVALS

WE ARE APPROVED BY ALL THE MAJOR CONSULTANTS / SPECIFIERS LIKE :

- AKER KVAERNER
- AVANT GARDE
- BECHTEL LTD., U.K.
- DESEIN
- EIL
- FITCHNER
- GHERZI EASTERN
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- JACOBS H & G
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- M.N. DASTUR
- MECON
- MOTT MCDONALD
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- SPECTRAL
- TCE
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- CROMPTON GREAVES
- DAELIM
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- G.S. ENGINEERING
- GE OIL & GAS
- GE POWER
- HYUNDAI
- IRCON
- J RAY MCDERMOTT
- JYOTI STRUCTURES
- KAZSTROY
- LARSEN & TOUBRO
- LINDE ENGINEERING
- NPCC
- PETROFAC
- PUNJ LLOYD
- RELIANCE ENERGY
- SAMSUNG
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- TATA PROJECTS
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- TECHNIP
- THERMAX
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- HEAD OFFICE
- BRANCHES
- DISTRIBUTION CENTRES

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Iraq	Sudan
Jordan	Syria
Kenya	Tanzania
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