



# Polyvion Cables Pvt Ltd



# About Us.



## POLYVION CABLES PVT. LTD

Welcome to Polyvion Cables Pvt. Ltd., where innovation meets excellence. At Polyvion, we've established a **State-of-the-art manufacturing facility** designed to produce high-quality cables that meet both national and international standards and our cutting-edge **approved LAB** helps Our brand, "**POLYCORE**," stand as a beacon of quality, precision, and power. Polyvion Cables offers an extensive range of products, including, Solar, Instrumentation, ProfiBus, Servo, Data, Robot, Submersible, Control Cables, and All kinds of Low Voltage Cables, catering to a variety of sectors like industrial, domestic, and power sectors. Our company is driven by a team of seasoned professionals with a wealth of experience in manufacturing and marketing within the electrical trade.



### **A CUSTOMER DRIVEN COMPANY THAT ASSURES & OFFERS:**

- Commercially competitive prices · Reliable & just in time delivery · Reliable & consistent quality · Product development for a changing market · A targeted stocking policy



Our team of highly experienced, qualified, and dedicated professionals upholds a robust quality management system. With offices spread across the country and a vast network of authorized distributors and dealers, we are well-equipped to serve customer segments both in India and abroad.

At **Polyvion**, we don't just make cables; we create connections that power the future. Join us on this journey and experience the Polyalco difference – where quality and trust go hand in hand.



# WHAT EXACTLY IS THE POLYCORE EFFECT

When it comes to cables, Polyvion is in a league of its own, combining excellence, innovation, and reliability in every product we offer. Here's why choosing Polyvion is a decision you can trust:

## UNMATCHED PURITY AND PERFORMANCE

At Polyvion, we use only electrolytic grade conductors that are 99.9% pure, ensuring minimal resistance and heat generation. This guarantees superior performance and longevity for all our products.

## IN-HOUSE PRECISION

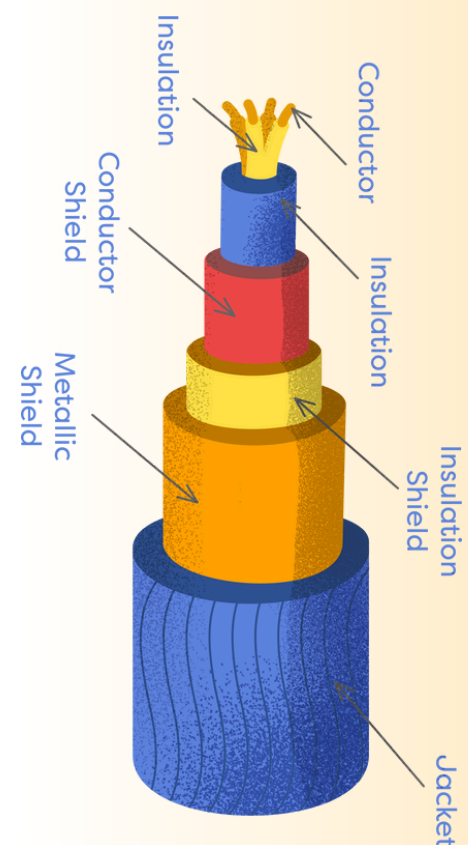
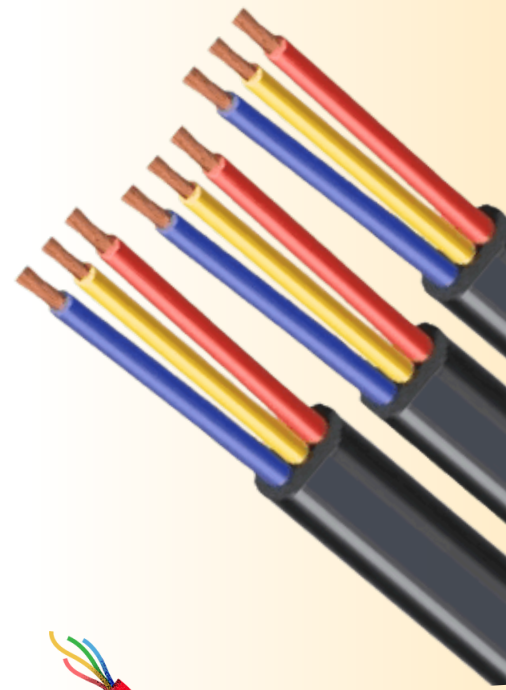
We are among the elite few manufacturers who perform annealing and wire drawing in-house. This meticulous, time-consuming process allows us to ensure that every meter of conductor meets our stringent quality criteria.

## RIGOROUS TESTING STANDARDS

Our specialized team of testing professionals rigorously examines each wire and cable in our fully equipped laboratory. Using high-precision instruments, we meet both national and international standards, guaranteeing reliable and safe products.

## INNOVATIVE DESIGN

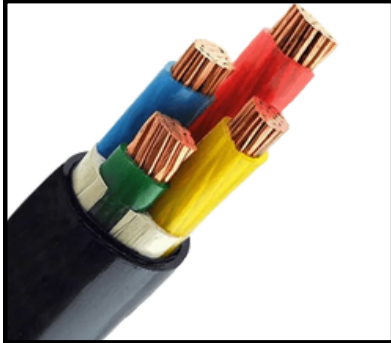
Our two-layer cable design features an inner layer of neutral PVC under an ultra-thin colored layer for easy color identification. This design enhances insulation resistivity and extends the cable's lifespan, making Polyvion cables a smart, long-term investment.



# PRODUCT RANGE



PRODUCT RANGE

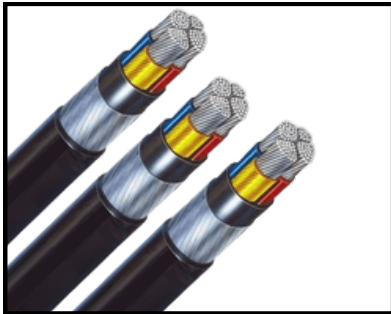


## LT XLPE/PVC Power Cables

We manufacture LT XLPE/PVC Power Cables which have found wide applications in various industries due to their technical superiority & economic advantages.

### **Its specifications are:**

- Single core sheathed / unsheathed, armoured / unarmoured upto 1000 sq. mm.
- Multi core armoured/unarmoured up to 630 sq.mm.

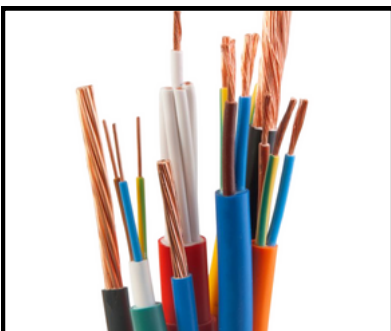


## LT Control Cables

We manufacture Copper Control Cables for a wider range of applications in various industries. They are used to carry control signals of low power strength but can be subjected to severe working temperature conditions like heaters, and boilers and can be exposed to oil, chemicals and other solvents. Its specially formulated outer sheathed (Jacket) is ingeniously designed to withstand rough environmental conditions. Available in Tinned and bare copper conductors, It can be customized as per requirement.

### **Its specifications are:**

- Conductor - Solid/Stranded bare/Tinned Copper
- Insulation - PVC/FR PVC/HR PVC/FRLS PVC
- Inner Sheath - PVC/FR Grade /PVC/FRLS Grade
- Unarmoured /Armoured - G.S. Wire/Flat Strip/Aluminum
- Wire Sizes - Up to 61 cores armoured / unarmoured in 1.5 & 2.5 sq. mm. Standard-IS: 1554 (Part 1)



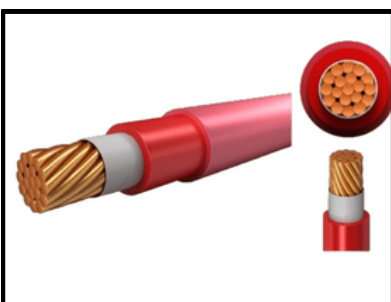
## Flexible Wires & Cables

We offer highly resistant (to chemicals and temperature changes) and cost-effective flexible wires.

Our flexible wires are ideally suited for Housing & Industry, Used for Panel wiring, Battery, UPS/Machine Tools/Internal and External Industrial Wiring.

### **The specifications of our Flexible wires & cables are:**

- Single core up to 400 sq.mm.
- Multi-core up to 150 sq. mm.
- Standard-694/1990



## Fire Survival Cable

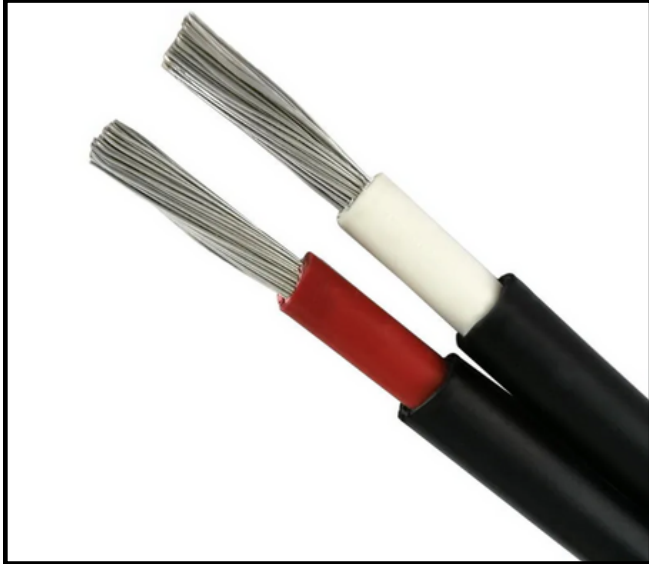
“POLYCORE” makes 1.1 KV – Circular Stranded Sector Shaped Annealed Bare Copper Conductor Class – 2, Multistrand, Glass Mica Tape wrapped over the conductor, XLPE Insulated, ST 2 Extruded PVC inner Sheathed, Armoured, with overall FRLS outer sheathed, Fire Survival Cable.

FS cables are used for fire alarm systems to maintain circuit integrity during any fire accident



## Solar Cables

Our Solar cables are especially made to meet the evolving needs of solar industry, in terms of long life in extreme weather conditions especially UV resistance, abrasion resistance as well as protection from rodents.



### DC Solar Cables.

These cables are sheathed with UV-stabilised HR PVC

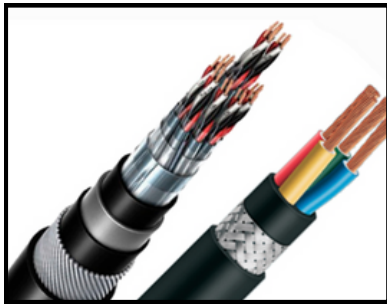
1. PV module to PV Module, PV Modules to Array Junction Box
2. Array Junction Box to Main Junction Box
3. Main Junction Box to Inverter.

### AC Solar Cables.

These cables are Copper or Aluminium, XLPE insulated, Armoured/unarmoured, UV Stabilised ST2 PVC

1. INVERTER to transformer primary
2. Transformer secondary to RMU/Switchyard
3. Rmu to Switchyard

## Instrumentation Cables



We manufacture high-strength instrumentation cables, which can be used for various instruments power supplies. We offer individual cores, pairs, triads, or units with aluminum tape and individual and/or overall shielding up to 50 pairs.

We are also a manufacturer of shielded, screen Braided Armoured /unarmoured /flexible pair/triad instrumentation & compensating cable.

### **Pair, Triad Cable**

up to and Including 24 Triad/Pair plane/tinned (Solid/stranded /Flexible) copper conductor pvc/xlpe /pe insulated screen individual & Overall / Overall (Screen with aluminum Back Mylar tape / Steel Braiding/Copper Braiding) Armoured with steel Wire/Strip (AS per Indian standard & British standard) or Flexible pvc Sheathed Cable.

### **Compensating Cable.**

up to and Including 24 Pair as per ANSI MC 96.1 T, J, K, R/S, B, E Thermocouple screen individual & Overall/Overall (Screen with aluminum Back Mylar tape/Steel Braiding/Copper Braiding)

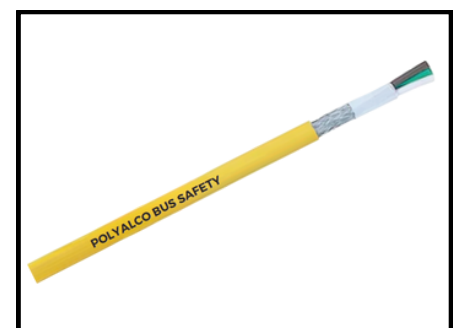
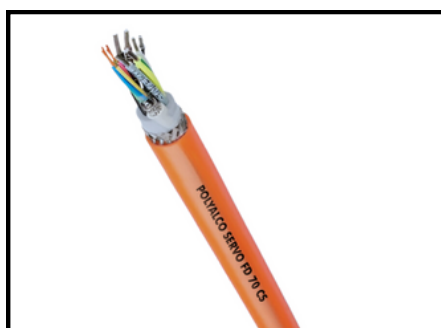
Armoured with steel Wire/Strip (AS per Indian standard & British standard) or flexible PVC Sheathed Cable.



# Process Automation Cables

Our product range under the "POLYALCO" brand includes instrumentation cables and specialized process automation cables confirming VDE and IEC standards, as per the list below.

- **Special Cables:** NYY, NYCY
- **Data Cables:** LiYY, LiYCY, LiYCY(TP), Li2YCY, Li2YCY PiMF
- **Bus Cables:** Bus L2/FIP
- **Control Cables:** like CY and SY cables with PUR and Halogen Free sheathing
- **Profibus cables**
- **Servo Motor cables**
- **Robotic Cables**
- **Others specialized cables as per customer specifications**



# QUALITY SETUP

**The company is committed to "Total Quality Assurance" in both manufacturing and services, striving to meet and exceed consumer needs and expectations. Our continuous dedication ensures adherence to quality systems and technical specifications at every step.**

## QA IN PLANNING

- Customer requirements along with the orders are taken into quality planning with due care on designing, manufacturing, testing & performance aspects.

## QA IN RAW MATERIAL

- The raw materials are procured from the best of sources based on company's stringent vendor evaluation system with continuous periodic assessment & testing.

## TESTING

- Each consignment of cables is exhaustively tested before despatch clearance by highly qualified, experienced & dedicated testing team.
- The testing setup is broadly classified as follows.
  - Raw Material Testing Labs.
  - Type Testing Labs.
  - FR/FS/FRLS Labs.
  - Long Duration Testing Labs.
- All the laboratories are equipped with the modern testing instruments. All the instruments are under strict calibration & environment control.

## QA ON-LINE

- The company has on-line computerised control systems for all its critical processes & a team of on-line testing engineers to ensure consistency in quality.

## QUALITY POLICY

**We at Polyalco continuously aim to provide quality wires & cables to meet our customer needs using quality management systems.**





## **EXPERT MANAGEMENT**

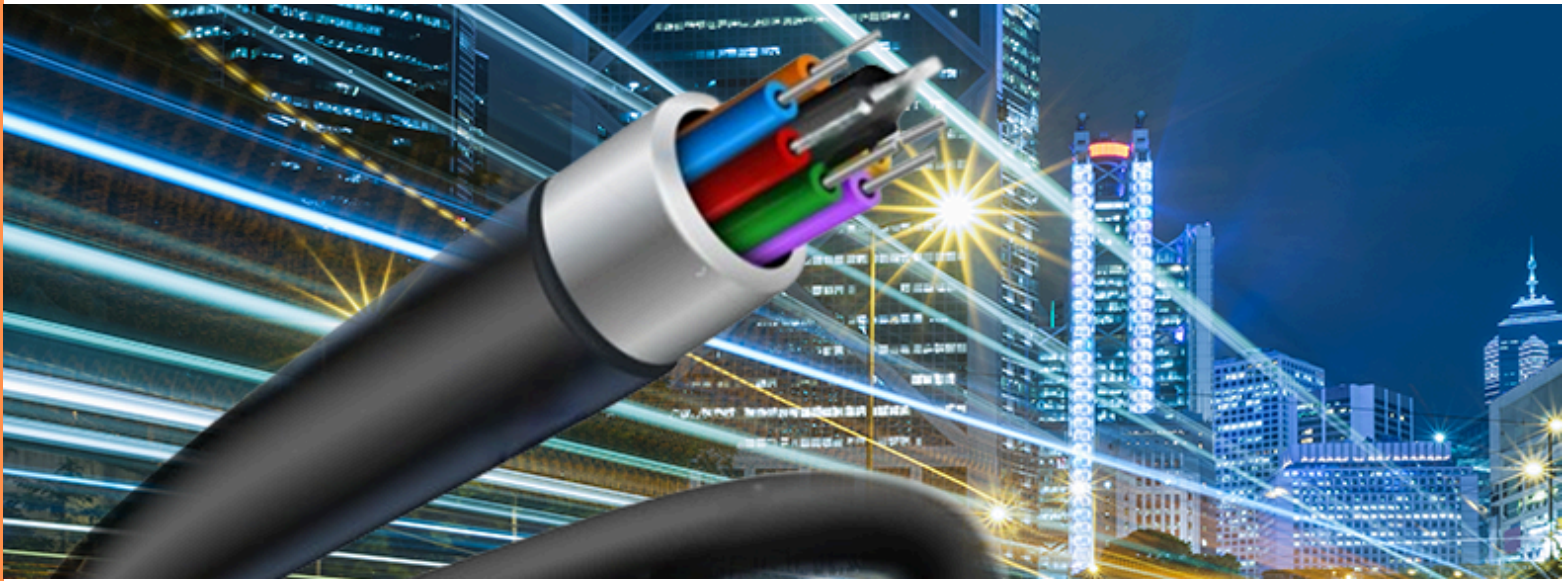
Polyvion is professionally managed by experienced entrepreneurs and technocrats. Our top management is directly involved in daily operations, ensuring we deliver the highest quality cables at competitive prices.

## **PRECISION MANUFACTURING**

We use advanced Diameter Gauge controllers to ensure the precise diameter of our cables, providing consistent quality across all our products.

## **RELIABILITY AND TIMELINESS**

Our track record of timely execution and prompt delivery of orders sets us apart from the competition. We pride ourselves on efficiently and reliably meeting our customers' needs.



**THE TRUE COST OF LOW-GRADE CABLES** Choosing low-grade cables might save you money upfront, but their high resistance leads to significant power losses. Even a 1-ohm increase in resistance can consume 18 extra units of electricity per month with a 5-ampere current. At an average cost of Rs. 4 per unit, that's an additional Rs. 72 each month!

## **EFFICIENCY AND SAVINGS**

Polyvion cables have lower resistance, saving you power and reducing voltage drop. This not only cuts your electricity costs but also protects your valuable equipment from damage, ensuring its longevity and reliable performance.

## **SAFETY AND RELIABILITY**

Choosing Polyvion means investing in cables that prioritize safety. Our lower resistance cables reduce the risk of overheating and potential hazards, providing peace of mind for your home or business.

## **MAKE THE SMART CHOICE WITH POLYVION**

At Polyvion, cutting-edge technology, rigorous quality control, and customer-centric management come together to provide you with the best cables in the industry. Experience the Polyvion difference – where quality, efficiency, and safety converge to offer you unparalleled value. Choose Polyvion for a better, brighter future.

# TESTING EQUIPMENT

## FOR FR/FRLS/ZERO HALOGEN/FS CABLES

- Oxygen/ temperature index-test apparatus-as per ASTM D-2863
- HCL gas generation test apparatus-as per IEC 754-1
- Smoke density test apparatus-as per ASTM D-2843
- Swedish chimney test apparatus-as per ss-424: 1475
- Flammability test apparatus-as per IEC-332 part1 & 3 Circuit integrity test/ fire survival test as per IEC-331

## FOR LT POWER/CONTROL/INSTRUMENTATION AND OTHER CABLES

- All test facilities available as IS-1554 Part 1 IS-7098 Part 1, IS-694-2010 & as per BSNL,IT, BE, IEC, ASTM, DIN/VDE standards and any type of tailor made cable as per customer's specification

### CABLES TESTING LAB INSTRUMENTS

AC HIGH VOLTAGE TEST SET	MILLION MEGA OHM METER 500V MAKE: SIGMA
THERMAL STABILITY TEST SET APPARATUS, COMPLETE IN ALL RESPECTS	TRAVELLING MICROSCOP
DC HIGH VOLTAGE TEST SET (3KVA)	HOT SET TEST APPARATUS P. I. D INDICATOR
FLAMMABILITY TEST APPARATUS	WATER ABSORPTION WITH VACUUM PUMP
HOT DEFORMATION TEST APPARATUS	DIGITAL OHM METER
APPARATUS FOR COLD IMPACT	ELECTRO MECHANICAL WEIGHING BALANCE
HEAT SHOCK MANDRELS SET	COLD BEND TEST APPARATUS
AGEING OVEN COMPLETE WITH FLOW METER (DIGITAL)	STANDARD RESISTANCE BOX
TORSION TESTING MACHINE	STANDARD MILLION (BASIC)
CONDITIONING CHAMBER UPTO -20°C	STANDARD RESISTANCE BOX TO CALIBRATE MILLION MEGA OHM METER
TENSILE TESTING MACHINE	STANDARD RESISTANCE BOX CALIBRATE KELVIN BRIDGE
KELVIN BRIDGE DOUBLE COMPLETE WITH DC SOURCE	DESICCATOR
ATTACHMENTS & OTHER ACCESSORIES	COLD BENT MANDREL
WATER BATH THERMOSTATICALLY CONTROLLED	CURING CHAMBER
DUMBELL CUTTING PRESS	HOT SET TEST APPARATUS

### FRLS-INSTRUMENTS IN BRIEF

OXYGEN INDEX TEST APPARATUS	HALOGEN ACID GAS EVOLUTION TEST APPARATUS
SWEDISH CHIMNEY TEST APPARATUS	HYDRAULIC PRESS
SMOKE DENSITY TEST APPARATUS	



# MANUFACTURING

In recent years, the demand for consistent quality and faster deliveries has surged. This drive has propelled Polyvion to invest in the latest technology, state-of-the-art plants, and advanced machinery, enabling us to offer a wide range of superior wires and cables to our customers.

## WIRE DRAWING

- The copper/ aluminium wire rods are drawn on high speed wire drawing machines. The copper wire drawing machines have on-line annealing system. This annealing process acts as an on-line inspector. The diameter of drawn wire is maintained within the tolerance limits by using high. precision drawing dies.

## STRANDING (CONDUCTOR)

- The copper, or Aluminium drawn wires are then stranded on tubular stranding machines. All stranding machines are provided with driven take-up & pay-off ensuring even tension. These machines are capable of producing up to 1000mm conductor.

## BUNCHING

- The fine drawn parallel wires undergo bunching operations on auto mode programmable logic controlling bunching machines (ensuring even twisting).

## INSULATION

- Insulation for building wires & industrial wires is carried out on high speed twin head extrusion system with plain, stripes, spiral & tracer coloring system, online diameter control, inkjet printing & online spark testing system. The extrusion for PVC, XLPE, EPR insulated power/control & other cables is carried out on extruders having online. diameter controllers from Zumbach.

## LAYING UP/TAPING

- Before laying-up, the LT XLPE & EPR insulated conductors are steam-cured in Thermax steam curing station under standard conditions. The cores are then laid using our cutting-edge drum twister machine on planetary/ rigid system machines.

## ARMOURING

- (LT Power. Control and other cables)
- Strip or Round wire armoring in GI, copper, or aluminum is carried out on machines with synchronous drive systems ensuring smooth and more than 90% coverage.

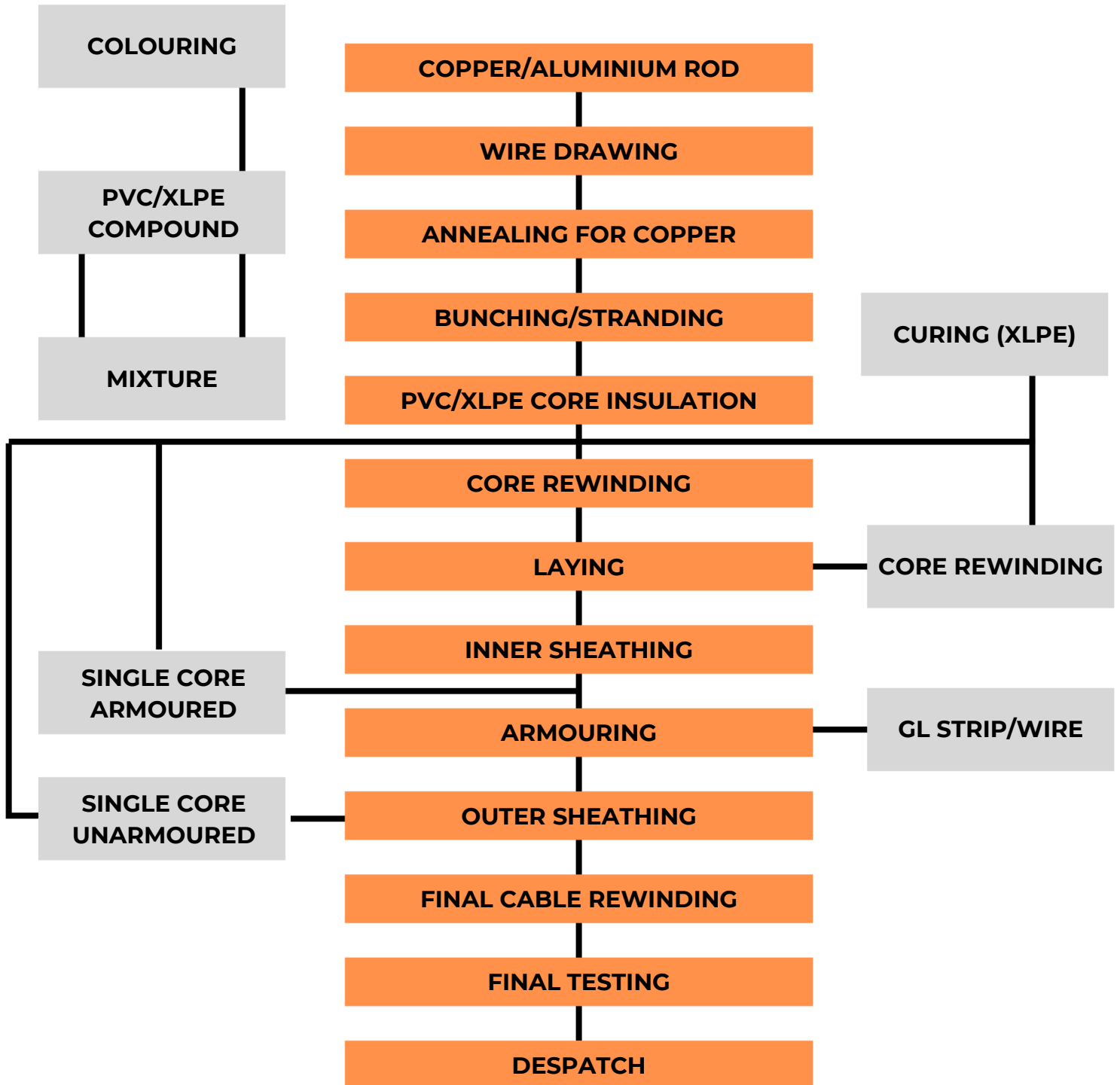
## SHEATHING/JACKETING

- Outer sheathing is carried out on extrusion lines with on-line diameter controllers from Zumbach & inkjet printing machines from Willet. These extruders are used for PVC, Zero Halogen/ Elastomeric compound & black LDPE for jacketing



# MANUFACTURING FLOWCHART

In recent years, the heightened emphasis on consistent quality and rapid deliveries has driven Polyalco to invest in cutting-edge technology, state-of-the-art facilities, and advanced machinery. This commitment allows us to offer a wide range of superior wires and cables to our customers.





# Key Certifications

## ISO's CERTIFICATION

- ISO 9001 : 2008 Certified Company
- ISO 14001 : 2004 Certified Company
- ISO 45001 : 2018 Certified Company
- OHSAS 18001 : 2007 Certified Company

## ISI CERTIFICATION

- IS: 694/2010 (Single core Flexible Wire & Multicore Cables)
- IS: 1554 (Part 1) (LT1.1 KV Copper / Aluminium, Arm / Unarm PVC Cables)
- IS: 7098 (Part 1) (LT 1.1 KV Aluminium/ Copper, Arm / Unarm XLPE Cables)

## CE CERTIFICATION

- IEC 60227-1:2007, IEC 60227-4:1997, IEC 60502-1:2004, IEC 60502-2:2014, IEC 60331:2007 BS 5308-1:1986 and BS 5308-2:1986,



# Certificate of Registration

This certificate has been awarded to

**Polyvion Cables Private Limited**

Khasra No. 49/15/2, Behind Shant Arya Dharam Kanta, Piao Manihari Narela Road,  
Village-Kundli, Distt.-Sonapat, Haryana, 131028, India

in recognition of the organization's Quality Management System which complies with

**ISO 9001:2015**

The scope of activities covered by this certificate is defined below

**Manufacture, Supply and Export of Flexible Wires and Cables, LT Aluminium,  
Copper Power and Instrumentation Cables upto 1.1 KV**

Certificate Number **69796/A/0001/NB/En**

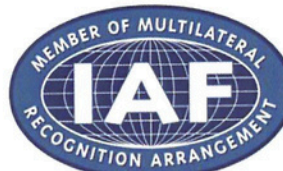
A certificate number of 0001, confirms the Client has a single site Certified & the site is their Head Office or Main site in relation to the Certified scope with URS. A certificate number of 0002, or greater (e.g.: xxxx/8/0002/UK/En) refers to a client that has more than one site certified with URS, as such, the following statement shall apply - 'The validity of this certificate depends on the validity of the main certificate'.

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
30 June 2022	4	29 June 2025	3
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
30 May 2022	0	30 June 2016	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager





# Certificate of Registration

This certificate has been awarded to

**Polyvion Cables Private Limited**

Khasra No. 49/15/2, Behind Shant Arya Dharam Kanta, Piao Manihari Narela Road,  
Village-Kundli, Distt.-Sonapat, Haryana, 131028, India

in recognition of the organization's Environmental Management System which complies with

**ISO 14001:2015**

The scope of activities covered by this certificate is defined below

**Manufacture, Supply and Export of Flexible Wires and Cables, LT Aluminium,  
Copper Power and Instrumentation Cables upto 1.1 KV**

Certificate Number <b>69796/B/0001/UK/En</b>			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
15 July 2022	4	14 July 2025	3
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
18 May 2022	0	15 July 2016	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager







# Certificate of Registration

This certificate has been awarded to

**Polyvion Cables Private Limited**

Khasra No. 49/15/2, Behind Shant Arya Dharam Kanta, Piao Manihari Narela Road,  
Village-Kundli, Distt.-Sonapat, Haryana, 131028, India

in recognition of the organization's Health and Safety Management System which complies with

**ISO 45001:2018**

The scope of activities covered by this certificate is defined below

**Manufacture, Supply and Export of Flexible Wires and Cables, LT Aluminium,  
Copper Power and Instrumentation Cables upto 1.1 KV**

Certificate Number <b>69796/C/0001/UK/En</b>			
<small>A certificate number of 0001, confirms the Client has a single site Certified &amp; the site is their Head Office or Main site in relation to the Certified scope with URS. A certificate number of 0002, or greater (e.g.: 0009/B/0002/UK/En) refers to a client that has more than one site certified with URS, as such, the following statement shall apply - "The validity of this certificate depends on the validity of the main certificate"</small>			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
09 August 2022	3	08 August 2025	2
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
18 May 2022	0	09 August 2016	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager





## Certificate of Conformity

Technical File Examination Requested By:

Manufacturer: Polyvion Cables Pvt Ltd

Address: Khasra No. 49/15/2, Piou Maniyari, Narela Road,  
Village Kundli, District Sonapat, Haryana 131028,  
India

Technical file(s): PCPL/CE/TCF, Issue No. 01, Rev. No. 00

Product: LT PVC Control Cables (Copper/Aluminium ,  
Armoured/Unarmoured), LT XLPE Power Cables  
(Copper/Aluminium, Armoured/Unarmoured),  
Flexible Wires & Cables (Round/Flat, Single  
core/Multicore), Instrumentation Cables  
(Shielded/Screened Cables, RTD Cables,  
Compensating/Thermocouple Cables, Solar PV  
Cables (DC and AC)

The technical file for the product specified above has been examined & found to correctly show the application of EU directive **Low Voltage Directive 2014/35/EU** and in conformity with the standards **IEC 60227-1:2007, IEC 60227-4:1997, IEC 60502-1:2004, IEC 60502-2:2014 BS 5308-1:1986 and BS 5308-2:1986, IEC 60331:2009**

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**Conditions of issue:**

*This certificate refers to the information examined and read with manufacturer's declaration of conformity.*

*Any modification made subsequent to the examination of the documentation, unless approved by us, will nullify this certification.*

*Further, the product liability rests with the manufacturer or his representative in accordance with council Directive 85/374/EEC*

*Products entering the European Union are subjected to requirements of applicable European Directive*

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Issue Date: 22/04/2017

CE

Certification No. CE/003

Issued By

**POLYVION Cables Private Limited**

**Why You Should  
Choose Polyvion's  
Wires & Cables**



# **POLYVION CABLES PRIVATE LIMITED**

## **Key Value Proposition offered by Polyvion Cables Pvt. Ltd.**

### **1. Superior quality Raw Materials procured from Top suppliers**

- 100% EC grade Copper and Aluminium, procured from Top suppliers
- Top quality PVC/XLPE for insulation as well as sheathing
- ISI grade armouring strip  
(Supplier raw material test reports can be provided on request)

### **2. Robust Quality Control in manufacturing process**

- Incoming raw material check, in process check as well as finished goods testing
- Complete material traceability in manufacturing process

### **3. Close engagement with customers**

- Accommodate supply of short length requirements at any time
- Fast and timely deliveries
- Accommodate any urgent customer requirements, on out of turn basis

### **4. Total Electrical Solution Provider**

- We have sister concerns with expertise in HT and LT switchgears, Cable laying and erection.
- We have expertise in all type of Electrical jobs with supply, designing, erection, commissioning and testing. Main focus area is Complete Turnkey Solutions upto 132KV, and HT/LT cable erection and commissioning.
- With the above expertise in the group companies, we are uniquely positioned as an end to end electrical solutions provider rather than a stand-alone manufacturer or supplier. This also enables us to offer strong commitment to quality as well as deeper customer relationship over long term.

# MAJOR APPROVALS



**PDIL**



**TATA PROJECTS**



**NATIONAL FEDERATION OF  
COOPERATIVE SUGAR FACTORIES LTD**



**AVANT GARDE ENGINEERS AND  
CONSULTANTS PVT. LTD.**



**MADHYA PRADESH PASCHIM  
KSHETRA VIDYUT VITRAN CO. LTD  
(INDORE)**



**Dakshin Haryana Bijli Vitran  
Nigam**



# AVANT-GARDE SYSTEMS AND CONTROLS (P) LTD.

NO. 67A, PORUR KUNDRATHUR HIGH ROAD, PORUR, CHENNAI - 600 116. INDIA  
TEL: +91 - 44 - 4598 1200, 2482 8532, 2482 8717 / 18 / 19 / 20 Fax: +91 - 44 - 2482 8531  
E-MAIL : agsc@avant-garde.co.in WEBSITE : avantgarde-india.com&www.agsc.in  
CIN NO. U28920TN1995PTC031908 PAN No. : AAACA6351K GST No. 33AAACA6351K1ZU

Ref No. AG1904/5930

Date: 23<sup>rd</sup> February 2021

To  
M/s. Polyvion cables Pvt. Ltd.  
Khasra No. 49/15/2,  
Narela Piou Manihari Road,  
Village Kundli,  
District Sonapat - 131028, Haryana  
Tel: 011-43755263/23288216

Kind Attn: Mr. Vibhor Bansal,  
Director

Dear Sir,

Sub: Vendor Registration for Renewal  
Ref: Your application for Renewal of vendor

This has reference to your firm renewal with Avant-Garde as an approved Vendor, we are pleased to inform you that the above renewal of registration has been extended up to **15<sup>th</sup> March 2023**, for the items as described below:

Category No.	Product
IN-332 :	Instrumentation signal & control Cables

With the above approval your company name will be included in our Master List of Approved Vendors.

For all our projects, the above master list will be sent to our clients, who in turn will select a few names from the list as their probable vendors. Registration with us does not mean confirmed issue of tender documents for projects. The approval "List of vendors" is project specific.

You are advised to contact us three (3) months before expiry of the enlistment for taking up for renewal process.

Our other conditions of registration / approval will continue to apply.

Thanking you,  
For AVANT-GARDE SYSTEMS AND CONTROLS (P) LTD

*V. Narasimhan*  
23.02.21

V. Narasimhan  
Head - Vendor Registration Cell



**Note: Please ensure the presence of our Hologram Sticker**



**ENGINEERS.DESIGNERS AND CONSULTANTS**  
AN ISO 9001:2015 CERTIFIED ORGANISATION &  
ASME "S" STAMP HOLDER





# AVANT-GARDE SYSTEMS AND CONTROLS (P) LTD.

NO. 67A, PORUR KUNDRATHUR HIGH ROAD, PORUR, CHENNAI - 600 116. INDIA  
TEL: +91 - 44 - 4598 1200, 2482 8532, 2482 8717 / 18 / 19 / 20 Fax: +91 - 44 - 2482 8531  
E-MAIL : agsc@avant-garde.co.in WEBSITE : avantgarde-india.com&www.agsc.in  
CIN NO. U28920TN1995PTC031908 PAN No. : AAACA6351K GST No. 33AAACA6351K1ZU

Ref No. AG-VEN-2021/378

Date: 01<sup>st</sup> November 2021

To  
M/s Polyvion Cables Pvt. Ltd.  
49/15/2, Piou Maniyari Narela Road,  
Kundli, District Sonapat - 131028  
Haryana (India),  
Tel: 0130-2219254  
9667418861 / 8860077850

Kind Attn: Ms. Manju Oberoi  
Admin Head

Dear Sir,

Sub: Vendor Registration for Renewal  
Ref: Your application for Renewal of vendor

This has reference to your firm renewal with Avant-Garde as an approved Vendor, we are pleased to inform you that the above renewal of registration has been extended up **30<sup>th</sup> December 2023**, for the items as described below:

Category No.	Product
EL-106.01	Control cables
EL-106.02	LV Power Cables

With the above approval your company name will be included in our Master List of Approved Vendors.

For all our projects, the above master list will be sent to our clients, who in turn will select a few names from the list as their probable vendors. Registration with us does not mean confirmed issue of tender documents for projects. The approval "List of vendors" is project specific.

You are advised to contact us three (3) months before expiry of the enlistment for taking up for renewal process.

Our other conditions of registration / approval will continue to apply.

Thanking you,  
For AVANT-GARDE SYSTEMS AND CONTROLS (P) LTD

V. Narasimhan  
Head - Vendor Registration Cell



**Note: Please ensure the presence of our Hologram Sticker**



**ENGINEERS.DESIGNERS AND CONSULTANTS**  
AN ISO 9001:2015 CERTIFIED ORGANISATION &  
ASME "S" STAMP HOLDER



NATIONAL FEDERATION OF COOPERATIVE SUGAR FACTORIES LTD.

राष्ट्रीय सहकारी शक्कर कारखाना संघ लिमिटेड

Ansai Plaza, Block-C, 2nd Floor, August Kranti Marg, New Delhi - 110049 (India)



Ref. No.IA-256/2021-22/ 117

Dated- 17.07.2021

**M/s. Polyvion Cables Private Limited**  
Khasra No. 49/15/2,  
Piou Maniyari Narela Road,  
Village Kundli, District Sonapat – 131028  
Haryana

**Sub.: Registration of your firm as an approved manufacturer of POLYCORE Brand of Electrical & Instrumentation Cables for Sugar Industry.**

Dear Sir,

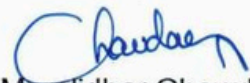
This has reference to your letter and related documents received for renewal of registration of your firm as an approved manufacturer of Electrical & Instrumentation Cables for Sugar Industry.

We are pleased to inform you that after scrutinizing the documents submitted by you, your registration as an approved manufacturer of **POLYCORE Brand of Electrical & Instrumentation Cables for Sugar Industry** is renewed for a period of 3 (three) years with effect from the date of issue of this letter i.e. up to 16<sup>th</sup> July, 2024.

However, we retain our rights to review and cancel your registration without assigning any reason whatsoever and without any liability on our part.

Thanking you,

Yours faithfully,

  
(K. Muralidhar Chowdary)  
Technical Adviser  
For Managing Director









STEEL AUTHORITY OF INDIA  
IISCO STEEL PLANT  
(CIN : L27109DL1973GO1006454)

TO,  
POLYVION CABLES PRIVATE LIMITED  
KHASRA NO-49/15/2, NARELA PIOUS MANIHARI ROAD, KUNDLI, SONIPAT  
HARYANA  
131028

Date:- 23-Sep-2023

VENDOR REGISTRATION CERTIFICATE

Ref: Req Serial Number REQ/NEW/5151 Dated: 19/07/2023

We are pleased to register you as a Vendor of ISP-SAIL (plant/unit) for the item /items listed below:

Sl.No.	Category code	Category of Items	Remarks
1	797	INSTRUMENT CABLE	
2	796	NETWORKING, DATA, SIGNAL CABLE	
3	836	LT XLPE POWER CABLE	
4	710	LT XLPE CONTROL CABLES	

Regn No.	Supplier Code	Area Code	Valid upto	Vendor Type
NEW/5151	S643	SAIL-ISP	23/09/2028	MANUFACTURER

NOTE: i) We may not necessarily send all our enquiries for these categories of items as and when we are in the market. This registration does not guarantee award of contacts.

ii) We reserve the right to demand from you such sureties as may be necessary as an earnest of your fulfilling contracts / supply orders which we may award you.

iii) We may eliminate your name from our panel without assigning any reason.

iv) It shall be your responsibility to apply for renewal of Registration on payment of stipulated renewal fee and production of requisite documents 90 days in advance before expiry of Registration period to keep your name in the register of approved suppliers.

पूनम कुशवाहा  
30/9/23  
पूनम कुशवाहा / POONAM KUSHWAHA  
वरिष्ठ प्रबंधक (सामग्री प्रबंधन)  
Senior Manager (MM) VM  
इस्को इस्पात संयंत्र, बर्नपुर  
IISCO STEEL PLANT BURNPUR





STEEL AUTHORITY OF INDIA  
IISCO STEEL PLANT  
(CIN : L27109DL1973GOI006454)

Ref. No: -----

Date:- 23-Sep-2023

TO  
POLYVION CABLES PRIVATE  
LIMITED  
KHASRA NO-49/15/2, NARELA POU  
MANIHARI ROAD, KUNDLI, SONIPAT  
HARYANA  
131028

Dear Sirs,

Re: New Registration Certificate

-----  
PARTY CODE: S643

Please find enclosed herewith New Registration Certificate as a vendor Req. sl. no. REQ/NEW/5151 Dated: 19/07/2023 which is valid up to 23/09/2028 which kindly acknowledge receipt.

If there is any significant change with respect to address and any other status of your firm, you may keep us informed so that necessary correction and updation of records can be done at our end

Thanking you,

Yours faithfully,

पूनम कुशवाहा  
30/9/23

For and On behalf of

STEEL AUTHORITY OF INDIA - IISCO STEEL PLANT  
Vendor Management Cell

पूनम कुशवाहा / POONAM KUSHWAHA  
वरिष्ठ प्रबंधक (सामग्री प्रबंधन)  
Senior Manager (MM) VM  
इस्को इस्पात संयंत्र, बर्नपुर  
IISCO STEEL PLANT, BURNPUR

Encl : As Stated

# TATA Project Approval

## Vendor Status

Date: 05-07-2023,  
POLYVION CABLES PVT. LTD.,

Dear Sir,

We are in receipt of your application for enlistment as approved vendor. On the basis of information furnished by you and capability evaluation carried out by our representative during the visit to your works / site, M/s POLYVION CABLES PVT. LTD. have been registered as approved vendor with M/s TATA PROJECTS LIMITED.

However, your enlistment as approved vendor is subject to following.

1. This registration is valid for three years from date.
2. Your performance shall be under review against our orders placed on you.
3. The registration shall not bind M/s TATA PROJECTS LTD to give any preference in placement of purchase orders.
4. You should inform any change in your address of office/factory, contact telephone partnership deed or any articles of association of your organization.

Look forward to a long and mutually beneficial business relationship with you

Yours faithfully,

For TATA PROJECTS LIMITED

VENDOR EVALUATION TEAM

[TATA Projects](#)

This is a system generated e-mail. Please do not reply to this e-mail.



**Vibhor Bansal**  
Account Settings

My Dashboard

Vendor Registration

My Invoices

My Purchase Orders

- Bank information tile will be disabled until the vendor registration is complete.
- Vendors should undergo Capability Evaluation to do business with TATA Projects. For more information, please contact [vendorevaluations@tataprojects.com](mailto:vendorevaluations@tataprojects.com).

**Important**

- Vendors need to add their bank account information for the review (on the vendor registration dashboard). The review will not begin until the bank details are submitted.

**VENDOR REGISTRATION**

Status	Updated in ERP
Vendor code	127580

[VIEW](#)





# MADHYA PRADESH PASCHIM KSHETRA VIDYUT VITRAN CO. LTD.

(Government of M. P. Undertaking)

Regd. Office: GPH Compound polo ground, Indore 452003

0731 - 2426109, 2426166 & 2426111/144, Website

<http://www.mpwz.co.in/>

CIN NUMBER: U40109MP2002SGC015121

## VENDOR REGISTRATION CERTIFICATE

Company Name & Address	<b>M/s Polyvion Cables Pvt Ltd</b> Registered Office Address:Khasra no. 49/15/2, Narela Piou Manihari Road Village- Kundli , Sonipat, Haryana, 131028		
Registration No.	<b>WZV00202307145867</b>		
Date of Issue	July 14, 2023		
Valid up To	July 13, 2026		
Area of supply	MP Discom(CZ/EZ/WZ)		
Equipments/Items	<b>1</b>	XLPE Cable 1 core unarmoured 50 sqmm Aluminium conductor cable 1100 Volts .	
	<b>2</b>	PVC insulated 4 core armoured 16 sqmm Aluminium conductor 1100 Volts .	
	<b>3</b>	Copper Control Cable 4 Core. 2.5 Sq.mm. (Unarmoured) .	
	<b>4</b>	XLPE Cable 1 core unarmoured 150 sqmm Aluminium conductor cable 1100 Volts .	
	<b>5</b>	Copper Control Cable 2 Core. 2.5 Sq.mm. (Unarmoured) .	
	<b>6</b>	Flexible Control Cable 2 X 0.5 sq.mm .	
	<b>7</b>	XLPE Cable 1 core unarmoured 300 sqmm Aluminium conductor cable 1100 Volts .	
	<b>8</b>	PVC insulated 2 core 2.5 sqmm Armoured Aluminium conductor 1100 Volts .	
	<b>9</b>	Copper Control Cable 12 Core. 2.5 Sq.mm. (Armoured) .	
	<b>1</b>	LT under ground cable Single Core (Armoured) 70 Sq. mm 1100 V .	
	<b>0</b>	Copper Control Cable 8 Core. 2.5 Sq.mm. (Unarmoured) .	
	<b>1</b>		<div style="border: 1px solid black; padding: 5px; text-align: center;">Signed by:<b>SE</b></div> <div style="border: 1px solid black; padding: 5px; text-align: center;">upload your digital signature</div>
	<b>1</b>		



PNMM/REGN/P8207  
Date : 05-01-2024



प्रोजेक्ट्स एण्ड डेवलपमेंट इण्डिया लिमिटेड  
(भारत सरकार का उपक्रम) : मिनी रत्न-1 कंपनी  
**Projects & Development India Limited**  
(A Govt. of India Undertaking) : A Mini Ratna-1 Comany  
PDIL Bhawan, A-14, Sector-1, Noida-201301  
Distt. Gautam Budh Nagar (U.P.) INDIA  
CIN : U74140UP1978GOI028629

M/s POLYVION CABLES PVT. LTD  
4574/15, Padom chand Marg, Ansari Road, Darya ganj, New Delhi - 110002

Dear Sirs,

**Subject : VENDOR REGISTRATION CERTIFICATE**

We are pleased to inform you that you have been enlisted with PDIL as an approved vendor for the item(s) described below :

ITEM CODE	ITEM DESCRIPTION	MATERIAL/RANGE
810502	LT POWER CABLES	
810503	CONTROL CABLE	
810504	FLEXIBLE CABLE.	

This enlistment is valid for your facility at :  
Khasra No. 49/15/2, Narela Piuu, Monihari Road, Village, Kundi  
, District- Sonipat 131028 ,INDIA

Please refer the above reference number in all your future correspondence related to above subject.  
Kindly note that this enlistment is subject to satisfactory execution of orders in delivery and quality of above mentioned items when ordered for our various projects.

Further, it may be noted that any change in the product range, location of Works / Sales office, Management/ Organisation structure etc. shall be intimated to us immediately along with relevant documents for our necessary action. In case, information to any of the above referred changes is not intimated timely, the enlistment with us is liable to be cancelled. Your performance shall be reviewed for continuation of your enlistment with PDIL. Enlistment with PDIL shall not guarantee any regular flow of enquiries.

This registration is valid till 03-01-2029. You shall contact us at least 180 days in advance for revalidation of your registration with us , failing which ,your name may be deleted from our vendors list.

Thanking You.

Yours faithfully,

*Anjali Thakur* 05/01/2024

(ANJALI THAKUR)  
Dy. General Manager(MM)

ISO 9001:2015 & ISO 45001 : 2018 Certified  
and  
ISO/IEC 17020:2012 Accredited



Regd. Office :- PDIL Bhawan, A-14, Sector-1, Noida-201301  
Phone : +91-120-2529842/43/47/51 Fax : +91-120-2529801, 2541493  
E-mail : noida@pdilin.com  
Other Office : Vadodara, Mumbai, Kolkata, Chennai, Hyderabad  
Visit as at: www.pdilin.com

POLYVION Cables Private Limited

# Type Test Certificates



## TYPE TEST CERTIFICATES

### **CENTRAL POWER RESEARCH INSTITUTE (BHOPAL)**

- 3.5 CORE X 300 SQMM (AL. ARMOURED XLPE AS PER IS:7098)

### **CENTRAL POWER RESEARCH INSTITUTE (MURADNAGAR)**

- 3.5 CORE X 300 SQMM (AL. ARMOURED XLPE AS PER IS:7098)

### **NATIONAL TEST HOUSE (CHENNAI) (NABL APPROVED LAB)**

- 1 CORE X 4SQMM (AL. UNARMOURED AS PER IS:7098)
- 1 CORE X 1000 SQMM (AL. ARMOURED AS PER IS:7098)
- 2 CORE X 2.5 SQMM (AL. ARMOURED AS PER IS:7098)
- 2 CORE X 2.5 SQMM (AL. ARMOURED AS PER IS:1554)
- 3.5 CORE X 95 SQMM (AL. ARMOURED AS PER IS:7098)
- 3.5 CORE X 120 SQMM (AL. ARMOURED AS PER IS:7098)
- 3.5 CORE X 400 SQMM (AL. ARMOURED AS PER IS:7098)
- 3.5 CORE X 400 SQMM, FRLSH (AL. ARMOURED AS PER IS:1554)
- 4 CORE X 50 SQMM (AL. UNARMOURED AS PER IS:7098)
- 4 CORE X 50 SQMM (AL. ARMOURED AS PER IS:1554)
- 3 CORE X 95 SQMM+1CORE X70SQMM+1CORE X 16SQMM (ABC CABLE)
- ACSR CONDUCTOR-RABBIT (50SQMM)

### **DELHI TEST HOUSE**

#### **(NABL APPROVED LAB)**

- 19 CORE X 2.5 SQMM (CU.ARMOURED AS PER IS:1554)
- 4 CORE 2.5 SQMM (CU.ARMOURED AS PER IS:1554)

### **GOVT. QUALITY MARKING CENTER (LUDHIANA)**

- 2 CORE X 4SQMM (AL. UN ARMOURED AS PER IS:694)
- 2 CORE X 6 SQMM (AL. UN ARMOURED AS PER IS:694)

\*Detailed test certificates of above mentioned sizes can be furnished on request.

## **TYPE TEST CERTIFICATES** **OF CIMEC TECHNOLOGIES PRIVATE LIMITED**

### **FRLS GRADE**

- 4 core x 120 sqmm PVC Insulated (Type C), FRLSH ST 2 PVC Sheathed, Stranded Copper Conductor, Class 2, as per IS: 694-2010 voltage grade 1100 volts
- 25 core x 2.5 sqmm PVC Insulated (Type D), ST-3 PVC Sheathed, Flexible Copper Conductor, Class 5, as per IS: 694-2010 voltage grade 1100 volts
- 4 core x 120 sqmm XLPE Insulated FRLSH ST 2 PVC Sheathed, Stranded Annealed Bare Copper Conductor, Class 2, GI Strip armored as per IS: 7098 (part-1 )/1988 voltage grade 1100 volts
- 19 core x 2.5 sqmm PVC type C Insulated, FRLSH ST 2 PVC Sheathed, Stranded Annealed Bare Copper Conductor, Class 2, GI Strip armored as per IS: 1554 (part-1 )/1988 voltage grade 1100 volts

### **ACSR CONDUCTOR**

- 100 sqmm ACSR Conductor for overhead Transmission purpose as per IS: 398 (part 2)-1996

### **AS PER IEC**

- 5 core x 35 sqmm PVC Insulated (Type C), ST 4 PVC Sheathed, Stranded Copper Conductor, Class 2, as per IEC 60227-1& 60227-4
- 4 core x 400 sqmm Class 2 Copper conductor, PVC Insulated , Halogen Free Sheathed (Type ST -8) Double Wire (Flat) Armored Cable ST 8 PVC Sheathed, as per IEC 60502-1, and IS: 10810 (part 1 to 63 )
- 4 core x 500 sqmm Class 2 Copper conductor, XLPE Insulated , Halogen Free Sheathed (Type ST -8) Double Wire (Flat) Armored Cable ST 8 PVC Sheathed, as per IEC 60502-1, and IS: 10810 (part 1 to 63 )
- 24 Pair x 1.5 sqmm Stranded Annealed Tinned Copper Conductor (Class 2), double layer of mica tape wrapped on conductor, XLPE Insulated, Two cores twisted together in a shape of Pair, Pair individually and overall screened with aluminum backed Mylar Tape along with ATC 0.5 sqmm drain wire, Galvanized Steel round wire armored & overall PVC Type ST 2 ZHFR Black sheathed, instrumentation cable as per IEC 60331

\*Detailed test certificates of above mentioned sizes can be furnished on request.

## **TYPE TEST CERTIFICATES**

### **Robust Testing Solutions**

(NABL Approved Lab)

#### **FRLS GRADE**

- **1 core x 1.5 Sqmm** (SINGLE CORE FLEXIBLE WIRE AS PER IS-694)
- **1 core x 2.5 Sqmm** (SINGLE CORE FLEXIBLE WIRE AS PER IS-694)
- **1 core x 6.0 Sqmm** (SINGLE CORE FLEXIBLE WIRE AS PER IS-694)

### **Ghaziabad Testing Laboratories Pvt.Ltd**

(NABL Approved Lab)

- **3.5 core x 400 Sqmm** (Alu Arm Xlpe Insulated ST-2 FRLS With UV Resistance as Per IS-7098 Part-1)
- **37 core x 2.5 Sqmm** (Cu Arm Xlpe Insulated ST-2 FRLS With UV Resistance as Per IS-7098 Part-1)
- **3.5 core x 95 Sqmm** (Alu Arm Xlpe Insulated ST-2 Outer Sheathed as Per IS-7098 Part-1)



# POLYVION Cables Private Limited

## CONTACT DETAILS



connect with the best

### Corporate office:

4574/15, Padam Chand Marg, Ansari Road, Darya Ganj,  
New Delhi - 110002 Ph: 011-43755263 Cell:  
91+8860077850/9667418861

### Works address:

Khasra No. 37//11/1, 11/2, 12/1, 12/2, 13/1, 13/2,  
14/1, 14/2, Village Bhurri, Tehsil Ganaur, District  
Sonipat, Haryana 131001 (India)

.....  
**Email:** polyvion@gmail.com, marketing@polyvion.com,  
vibhor.bansal@polyvion.com

**Web:** www.polyvioncables.com

Contact Person: Vibhor Bansal (Director)

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Factory address : Khasra No. 37//11/1, 11/2, 12/1, 12/2, 13/1, 13/2, 14/1, 14/2, Village Bhurri, Tehsil Ganaur District  
Sonipat, Haryana 131001 GST No. : 06AAECP0741Q1Z6, Phone : 0130-2219254 , Mobile No. 8860077850