# **POLYCAB**

#### IDEAS. CONNECTED.

#### **Heavy Duty** Cables

Power and Control Cables
High Voltage Cables
EHV Cables
Instrumentation Cables
Railway Signaling Cables
Fire survival cable
Jelly Filled Telephone Cables
VFD cables
LT&HT aerial bunched Cable
Cables for Nuclear power plant
Oil & Gas Cables
Marine & ship wiring cable
Defence cable
Airport lighting cable
Solar cable
Rubber cable

### **Light Duty Cables**

**Building Wires** 

BMS Cable Braided cable

Green Wire Industrial Flexible Cables Co-axial Cables Telephone Cable Speaker Wire Lan Cables **CCTV** Cables Submersible Cable Festoon Cables Fire alarm cable Uninyvin Cable **Automotive Cable** Service wire Medical wire LAN cable Thermocouple Cable Optical fiber cable



### **Power and Control Cables**

#### Wide Product Range

- Upto 1.1 kV
- 1.5 sqmm to 1000 sqmm cable range
- Low Voltage Cable with 1, 2, 3, 3.5 & 4 cores
- 2 core to 100 core, 1.5 & 2.5 sqmm control cable range
- Aluminium / Copper conductor
- · XLPE insulation, PVC insulation
- · Armoured / Unarmoured
- FR / FRLSH / PVC ST2 / LSZH sheathing

## Specification/Standards

Confirming to IS 7098-1/IS1554-1/IEC 60502-1/BS 5467/BS 6724.

#### **Ideal For**



Industries such as Renewable Energy, Cement, Steel etc.



Distribution and Power Networks



Automation, Manufacturing Industry



Nuclear and Thermal Power Stations



Building, Mining, Railways





## **High Voltage Cables**

#### Wide Product Range

- 3 3 kV to 33 kV
- 35 sqmm to 1200 sqmm
- Aluminium / Copper conductor with semiconducting layer
- XLPE / EPR insulation by CCV process with triple layer extrusion
- · Armoured / Unarmoured
- FR / FRLSH / PVC ST2 / PE / LSZH sheathing

### Specification/Standards

Confirming to IS 7098-2/AS NZS 1429.1/BS 5467/BS 6622/BS 6724/BS 7835/BS 7870-4-10/BS 7870-4-20/IEC 60502-2/ICEA S-93-639 (NEMA WC-74)

#### **Ideal For**



Power Distribution







Scan to download Polycab EHV Cable Brochure

# **Heavy Duty** Cables

### **EHV Cables**

#### Wide Product Range

- 66kV / 110kV / 132kV / 220kV
- · Milliken type conductor up to 2500 sq mm
- Sheathing- Aluminium Corrugated / Lead Sheath / AL-PE Laminate

#### **Leading Features**

- Ultra clean rooms for semi-conductive material & XLPE insulation by CCV dry cure process with triple Layer extrusion
- · Safer & easier to install
- · Low maintenance when compared to over head conductor
- Longer life
- · Best use of high value land in densely populated areas

## Specification/Standards

Confirming to IS 7098-3/IEC 60840/IEC 62067

#### **Ideal For**



Power Transmission and Distribution



Power Generation Station



Smart Cities etc.





## **Instrumentation Cables**

#### Wide Product Range

- Stranded / Solid Copper / Tinned Copper Conductor
- PE / PVC / HR-PVC/XLPE / Silicon /FRLSH / EPR Insulated Pair/ Triad / Quad laid up shielded individually / overall with Al Mylar Tape along with ATC Drain Wire/ATC Braid Armoured / Unarmoured sizes from 0.5 to 2.5 sgmm

#### Leading Features

- Noise free signal transmission, EMC Suppression
- High temperature withstanding capacity (180°C) for Silicon Rubber

### Specification/Standards

Generally confirming to BS 50288-7/IS 1554-1/IS 7098-1

#### **Ideal For**



Automation



Instrumentational application in various industries for process control





## **Railway Signaling Cables**

#### **Wide Product Range**

 1.1 kV Grade Copper Conductor/ Armoured / Unscreened / PVC Insulated Cable

#### **Leading Features**

• Flexible Application

### Specification/Standards

Confirming to IRS 63/2007

#### **Ideal For**



Rail Signaling









Scan to download Polycab IGNIS Fire Survival Cable Brochure

# **Heavy Duty** Cables

## Fire survival cable

#### Wide Product Range

- 300/500 V Grade cable, 1 to 4 sqmm with 2C to 19C
- 300/500 V Grade cable, 0.5 to 2.5 sgmm with 1 to 20 Pair
- 450/750 V Grade cable, Single core(UA) from 1.5 to 300 Sqmm
- 0.6/1 kV Grade cable Single core (A) from 50 to 630 Sqmm
- 0.6/1 kV Grade cable from 1.5 to 400 sgmm with 2 to 4 Core

#### Leading Features

- Halogen Content in this cable is as low as 0.5%
- · Toxicity index less than 5%
- Visibility in FS cable in an content of fire is more than 95%
- Circuit integrity for 3 Hrs @950oC

## Specification/Standards

Confirming to BS 7846/BS 7629-1/BS 8592/Gen.BS 7211/Gen.BS 6724

#### **Ideal For**



Residential Building Usage / Metro / Aiport / Malls / Hospitals / Emergency Lighting / P.A. System / Fire Pumps etc.



Real Estate industry



Oil & Gas



## **Jelly Filled Telephone Cables**

#### Wide Product Range

 POLYCAB BRAND JELLY FILLED TELEPHONE CABLES, Range from 0.5 mm 5 Pair to 200 Pair Solid annealed copper, Polythene insulated, petroleum jelly filled with Poly-Al laminate moisture barrier, polythene sheathed, GS tape armored/unarmored polythene jacketed telephone cable

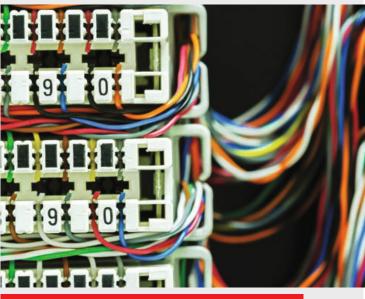
#### Specification/Standards

Confirming to TEC /BSNLGR/CUG-01/03AUG.2003/DOT Spec.

#### **Ideal For**



Telephone cable outdoor use





## **VFD** cables

#### Features/Range

 3+3(E) / 4Core Flexible copper conductor, insulated with XLPE /EB XLPO / PE / PP, laid up,Al.mylar with tinned copper wire braided, PVC / LSZH / EBXL CPE sheathed cables.

#### **Leading Features**

- · Higher shielding efficiency
- · Corrosive weather resistant
- · Effectivly handle high voltage spikes
- Increases service life of motor & their equipements

### Specification/Standards

Gen.Confirming toIS 7098-1/ IEC 60502.

#### **Ideal For**



AC Drive & Motor application



Offshore/Onshore drilling application







Scan to download

# **Heavy Duty** Cables

## **HT & LT aerial bunched Cable**

#### Features/Range

 Voltage range 1.1kV,3.3kV,11kV & 33 kV stranded compacted aluminium conductor, conductor screened (unscreened for LT) by semi-conducting & compound, XLPE insulated, insulation screened by semi-conducting compound & copper tape, PVC sheathed and messenger conductor with or without insulation sizes 16 to 95 Sqmm for LT & 25 to 300 sqmm for HT

### **Leading Features**

- · High insulation resistance
- · Excellent UV resistant

## Specification/Standards

Gen.confirming to IS 14255/IS 7098

#### **Ideal For**



Overhead power supply



Rural power distribution system





## Cables for Nuclear power plant

#### Features/Range

Annealed Bare / Tinned, Solid / Stranded, Copper conductor, mica taped / XLPE / EPR insulated, cores / pairs / triples assembled, Al. Mylar tape + Drain wire Individual /Overall shielded/unshielded, taped / Inner sheathed, G.I./Aluminium Armoured /unarmoured and PVC / Low Smoke Low Halogen / CSP outer sheathed Radiation resistant Power, Control, Instrumentation, fire survival,unarmoured / armoured cables, sizes from 0.5 to 400 sgmm

#### **Leading Features**

- · Excellent environmental features for nuclear power plant.
- High service life
- Radiation resistance

### Specification/Standards

Conforming to NPCIL latest Specs No.

PC-E-180/PC-E-184/PC-E-234/ PC-E-235/PC-E-236/ PC-E-238/

PC-E-240/PC-E-093. (Catenary cables as per PC-E-094;

Thermocouple cable as per PC-E-237)

#### **Ideal For**



Nuclear power plant





### Cables for Oil & Gas

#### Features/Range

 Single Core / Multicore, flexible copper conductor, conductor screened / unscreened, XLPO / HD XLPO type P, insulation screened / unscreened, EPR insulated, cores / pairs/triples assembled, unshielded / metallic shieled, unarmoured / metallic braidarmoured, Mud & Oil resistant XL-CPE / CSP sheathed cables, temperature class125°C, voltage grade 600V, 2kV / 1000V.

#### Leading Features

- Flame resistant
- Corrosive weather resistant
- Oil resistant
- · Excellent resistance to sunlight

## Specification/Standards

Confirming to IEEE 1580-2021.

#### **Ideal For**



Oil & Gas industries







## Marine & ship wiring cable

#### Features/Range

 Single Core / Multicore annealed bare / tinned copper conductor, EPR / XLPE /Silicone Rubber / XLPO HF insulated, voltage grade 0.15/0.25 kV to 18/30 kV cables, screened / unscreened, unarmoured / metallic braid armoured, PCP / CSP / HF-rubber outer sheathed cables sizes 1.5 to 300 sqmm.

#### **Leading Features**

- · Halogen free
- · High insulation resistance
- Reduced flame propagation

### Specification/Standards

Conforming to IEC 60092-353/ IEC 60092-376/ IEC 60092-350/ IEC60092-360/ NEK 606/ BS 6883/ BS 7917

#### **Ideal For**



Marine offshore / On shore





Control circuits & sea vessels





## **Defence cable**

#### Features/Range

 Annealed Bare / Tinned Copper conductor, LFH/Electron Beam cross-linked (EBXL) Polyolefin insulated, twisted cores/pairs/triads, Annealed Tinned Copper (ATC) individual / collective screened, LFH / EBXL LSZH sheathed, overall ATC braided cables conforming to Defence Standard. Annealed Bare / Tinned Copper conductor, Silicone Rubber/ Cross-linked Silicone Rubber insulated, Glass Braided / Lac quer coated, twisted cores / pairs / triads, Annealed Tinned Copper (ATC) individual / collective screened, LFH / EBXL LSZH sheathed, overall ATC braided fire survival cables sizes 0.5 to 2.5 sqmm

### **Leading Features**

- Excellent electrical properties.
- · High insulation properties.

### Specification/Standards

Conforming to Def Stan 05-526/02-512 Part 3/02-525/EED 50-12/05-527/02-512 Part 2/EED 50-13.

#### **Ideal For**



Defence/Military applications.



## Airport lighting cable

### Features/Range

Single core flexible copper conductor, TPE insulated cable sizes 0.5 to 300 Sqmm

#### **Leading Features**

- Highly flexible
- High insulation resistance.

## Specification/Standards

Conforming to IEC 60502-1, IEC 60227, IEC 60228/VDE 0295.

#### **Ideal For**







## **PV Solar cable**

#### Features/Range

 Annealed tinned copper conductor class 5, Electron beam cross linked halogen free & flame retardant compound (XLPO) Insulated and sheathed available with 1.5 sqmm to 240 sqmm.

#### Leading Features

- · Electron beam crosslinked compound
- · UV, Ozone, temperature &hydrolysis resistant.
- Flame retardant low smoke
- Excellent electrical properties.
- · Long service life upto 25 years guaranteed.

## Specification/Standards

Confirming to EN 50618/TUV 2 Pfg 1169/08.2007

#### **Ideal For**







Scan to download Polycab Rubber Cable Brochur

# Heavy Duty Cables

### **Rubber Cable**

#### Features/Range

 Single / Multicore, Annealed Tinned Copper with class 5 conductor, EPR / Silicone Rubber Insulated, laid up, proofed cotton taped, CPE / PCP / CSP / Silicone Rubber sheathed Flexible cables sizes from 1.5 to 400 sqmm

#### Leading Features

- · Excellent flexibility
- · Smooth finish
- · Enhanced resistance to heat, oxygen, fire & chemicals
- · Operating range -50 deg C to 180 deg C

### Specification/Standards

Confirming toIS 9968-1/IS 9968-2/BS EN 50525-2-41,2-21/IS 9857/BSEN 50525-2-81/IS 14494

#### **Ideal For**



Overhead cranes



Elevators



High temperature applications in furnaces



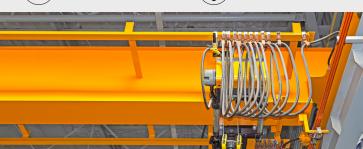
Automatic welding equipment



Mining equipment



Refractories





## **Building Wires**

#### Wide Product Range

- FR (Flame Retardant)
- FRLSH (Flame Retardant Low Smoke Halogen)
- LSZH (Low Smoke Zero Halogen)
- FRLF (Flame Retardant Lead Free)
- HR-FR-LSH-LF (Heat Resistance low Smoke & Halogen -Lead Free)
- FS (Fire Survival)
- Sizes 0.5 to 16 sqmm

## Leading Features

- Flame retardant
- Glossy & Smooth surface finish
- Lead free
- RoHS & REACH Compliant

### Specification/Standards

Confirming to IS 694/IS 17048/BSEN 50525-2-11,2-31,3-11

#### **Ideal For**



Residential Building Usage / Hospitals / Malls / High Rise Tower



Real Estate Industry





Scan to download

# **Light Duty** Cables

### **Green Wire - HR-FR-LSH-LF**

(Heat Resistance Low Smoke & Halogen - Lead Free)

#### Range

• 0.75 Sqmm to 6 Sqmm

#### Leading Features

- · 20 % Higher current carrying capacity
- 20% Higher Temperature Rating (i.e. 85°C) than conventional FR wire
- · Energy Saving
- · Eco friendly
- · Recyclable
- · No traces of Carcinogenic substances

### Specification/Standards

Confirming to IS 694/IS 17048/BSEN 50525-2-11,2-31,3-11

#### **Ideal For**



Hospitals, Malls & all Real Estate Industry





## **Industrial Flexible Cables**

#### Wide Product Range

- · Single core & multicore cable
- FR/FR-LSH/HR-FR-LSH/LSZH
- 0.5 sqmm to 400 sqmm

#### Leading Features

- · Smooth & Glossy Surface
- · High Insulation Resistance
- · High Abrasion Resistance
- · Heat Resistance
- Smooth Surface
- Extra Flexible

## Specification/Standards

Confirming to IS 694/IS 17048/BS 6231/BS 6004/BS 7211

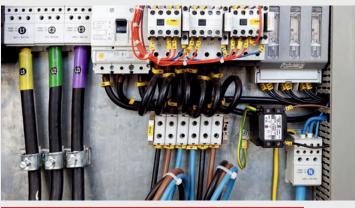
#### **Ideal For**



Industrial Application/ Machine / Machine Tools/ Crane etc



Panel wiring





## **Co-Axial Cables**

#### Features/Range

- RG-59F, RG 6F,RG 6 CCS, RG 11F & RG 11F CCS
- · Nitrogen gas injected polyethelene 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

### **Leading Features**

- · Minimum loss in signal quality, better reception
- Moisture resistance

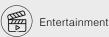
### Specification/Standards

Confirming to ANSI/SCTE 74-2011

#### **Ideal For**



Broadcasting industry







## **Telephone Cable**

#### Features/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

#### **Leading Features**

- Special grade high-density polyethylene
- Flame retardant compound made from virgin grade PVC resin

## Specification/Standards

Generally, Spec. No. GR/WIR-06/03 MAR 2002

#### **Ideal For**



Telecommunication



**EPBX System** 



## Speaker Wire

#### Features/Range

Twin parallel 23/36, 23/38, 40/36 and 40/38 & 1.5 sq. mm

### Leading Features

- Speaker cables with high quality oxygen free copper conduction 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

## Specification/Standards

Confirming to Customized Polycab specification.

#### **Ideal For**



Entertainment



Theatres



Broadcasting



Public address system





## **CCTV Cables**

#### Leading Features

- · Accuracy in Power and Video Signal transmission
- 4+1 CCTV Cable and 3+1 CCTV Cable
- Transmit the complete video frequency range with minimum distortion or attenuation
- · Designed to optimize the quality of video signals
- Solid annealed bare copper conductor of electrolytic grade ensures complete elimination of MEI / RFI from the video signals.

## Specification/Standards

Customized Polycab specification

#### **Ideal For**



Home Security



Business Surveillance



Traffic Monitoring



IP Security Systems





## Submersible Cable

#### **Features**

- Flexible cable with smooth & glossy finish
- Low operating cost
- Protection against indefinite immersion in water
- Protection against rain-water and against ingress of small solid foreign bodies
- Produced from best quality electrolytic copper
- Insulated with a special grade of PVC on sophisticated co-extrusion lines.
- Highly abrasion resistant PVC compound impervious to grease, oil and water etc.
- Sizes 0.5 to 95 Sqmm with 2C & 3C

## Specification/Standards

Confirming to IS 694

#### **Ideal For**



Borewell or open well pumping



Public water supply to large residential areas & multi-stored apartments



River and canal lift irrigation pumping

Water supply

to commercial

establishments



Industrial water supply and transfer



Dewatering of mines





### **Festoon Cables**

#### Features/Range

 Flat Multicore Extra Flexible Cables can be offered from 3 cores to maximum 16 cores from sizes 0.5 sq.mm to 4 sq.mm and 3 cores & 4 cores in sizes 6sq.mm to 16 sq.mm

#### Leading Features

- · Online Copper Drawing and Annealing
- · Glossy finish cable
- Soft Touch
- · Very high flexibility
- Suitable for Usage from -15°C to +70°C applications

### Specification/Standards

Generally confirming to IS 694

#### **Ideal For**



These cables are used in Hoists, Cranes and Lifts to carry the signals for all the controls required for the sophisticated Lift applications and Cranes/Hoist operations



## Fire alarm cable

#### Features/Range

 Annealed Copper conductor, XLPE insulated, FRLS inner sheathed, unarmoured/GI armoured, FRLS sheathed generally conforming to BS standard. Annealed Copper conductor, XLPE insulated, Al.Mylar screened with ATC drain wire, FRLS inner sheathed, unarmoured / GI armoured, FRLS sheathed cable sizes 1.5 & 2.5 Sqmm with 2 & 4 Core

#### **Leading Features**

- · Flame resistant.
- Higher insulation properties.
- · Low flame propagation

## Specification/Standards

Generally confirming to BS 5467/BS 50288-7.

#### **Ideal For**



Hospital, schools, commercial complex & industries in fire security systems.





## **UNINYVIN CABLE**

### Features/Range

 Annealed Tinned Flexible Copper Conductor, Thermoplastic High Temperature PVC insulated, Glass Fibre Yarn Braided + Transparent Nylon Lacquer coated, voltage grade 600V AC Uninyvin Cable sizes 22 to 4/0 AWG

#### **Leading Features**

- High Flexibility
- Heat Resistant
- · Resistance to Oil & water
- Resistance to Acids & Chemicals
- · Abrasion resistant

## Specification/Standards

Confirming to IS 10241-3

#### **Ideal For**



UPS/Invertor, DG sets, battery interlinks & solar power equipment's



## **Automotive Cable**

#### Features/Range

 Single Core / Multicore, annealed bare / tinned copper conductor, heat resistantPVC / EBXL XLPO / Silicone Rubber insulated, 30V AC / 60V DC to 1000V AC / 1500V DC, temperature class 105 / 125 / 150 / 180 deg.C, screened automotive cables conforming to international standards for electricvehicle application.

## Leading Features

- · High electrical properties
- · High mechanical strength
- · High fatigue resistance

## Specification/Standards

Confirming to ISO 19642/ISO 6722/ Chinese Std. (GP/T QC/T) for ISO 19642/ISO 6722/ Chinese Std. (GP/T QC/T) for electricvehicle application.

#### **Ideal For**



Automotive industries



## Service wire

#### Features/Range

 Solid Aluminium conductor, PVC insulated, PVC sheathed twin flat cable sizes 1.5 to 10 Sqmm with 2C

#### **Leading Features**

- High insulation resistance
- · High moisture resistance

## Specification/Standards

Confirming to IS 694

#### **Ideal For**



Building, complexes & industries



## **Medical** wire

#### Features/Range

 Annealed Bare Copper Conductor Bunch, Cross-linked HFFR / EB XLPO compound insulated,unsheathed, Fungus Free electrical wire sizes 0.5 to 16 Sqmm

#### Leading Features

- · High flexibility
- · Low fungus growth
- · Higher insulation resistance
- · Higher abrasion resistance

### Specification/Standards

Conforming to IS 17048/IS 694

#### **Ideal For**



Medical industry



Clinical instruments





### LAN cable

#### Features/Range

 Range: Cat 5e, Cat 6 & Cat6a — Twisted Pair, Insulated with High density Polyethylene and Shielded / Unshielded Light Grey PVC Jacket with Improved Fire-Retardant properties, Low attenuation and improved crosstalk and Low Structural return loss.

#### Leading Features

- Low attenuation and cross talk
- Low structural return loss
- Underwriters Laboratories (UL) USA verified cables.

### Specification/Standards

Conforming toTIA/EIA 568-C.2

#### **Ideal For**



Local area networking





Commercial & residential usage





## **Thermocouple Cable**

#### Features/Range

 Solid JX / KX Thermocouple alloys, XLPE / PVC insulated, Individual / overall Al. Mylartape + Drain wire shielded, Inner sheathed, Armoured / Unarmoured, flame and sunlight resistant PVC outer sheathed cable.

### **Leading Features**

- · Excellent insulation resistance
- · High quality thermocouple conductors.

### Specification/Standards

Confirming to BS 50288-7

#### **Ideal For**



Temperature measuring equipment's





## Optical fiber cable

### Features/Range

 Loose tube containing coloured fibers and filled with thixotropic jelly, non-metallic, anti-buckling FRP rod as central, cable core fully filled with flooding jelly, armored / unarmored, outer sheathed with UV stabilized HDPE compound fiber range 2F to 576F.

#### **Leading Features**

- · Noise free transmission
- · Higher bandwidth
- Industry standard for high-speed networking

## Specification/Standards

ConfirmingTelecordia G-20 &Other international standards.

#### **Ideal For**



Telecommunication industries



Computer Networking



Automotive industry



Military and space applications



Railway industries





## **BMS Cable**

#### Features/Range

 Multicore Flexible Copper Conductor, PVC Insulated, Overall Aluminium Mylar Tape Shielded along with ATC Drain Wire / ATC Braided, PVC Outer Sheathed cables sizes from 0.5 to 2.5 sqmm

### **Leading Features**

· Noise-free signal in building management system

### Specification/Standards

Generally confirming to BS 50288-7

#### **Ideal For**



Building management system





### **Braided Cables**

### Features/Range

 Annealed bare bunched copper with class 5 conductor, PVC insulated, PVC inner sheathed, Tinned copper wire braiding / G.I wire braided, PVC transparent / PVC sheathed Cable for industrial use sizes 0.5 to 95 Sqmm with 2C to 4C.

#### **Leading Features**

- High flexibility
- Better EMI suppression.
- · Low emission of toxic gases
- · Low volatile, organic, content-less contamination

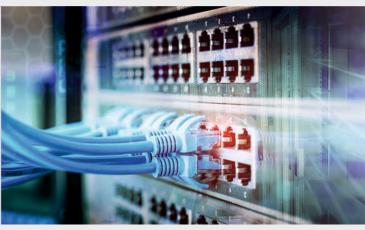
## Specification/Standards

Generally confirming to IS 694/ IEC 60227-7

#### **Ideal For**



Industrial Application / Electrical panel board / Machine tools



#### **POLYCAB GALLERIA BRANDED STORES**

#### PATNA: Polycab Galleria

Meena Plaza Beside Old Patna Musseum Near Kotwali Police Station Patna - 800001

#### MADURAI: Polycab Galleria

No 1 Perumal Kovil West Mada Street, Near Periyar bus stand Madurai - 625001

#### **CHANDIGARH: Polycab Galleria**

Sco No. 2474 Sector 22- C, Chandigarh, Pincode - 160022

#### **ERNAKULAM: Polycab Galleria**

Pathicheril Enclave 25/578C Metropillar 329, Near South Kalamassery Ernakulam - 682033

#### TRIVANDRUM: Polycab Galleria

81/3887 Manalil Heights Opp Fire Station Thampanoor Trivandrum - 695001 (Kerala)

#### JAIPUR: Polycab Galleria

c/o Santosh Tower E-4 Nirman Nagar, DCM Main Ajmer Road ( Near Regal Resturant). Jaipur - 302019

#### **MUMBAI: Polycab Experience Centre**

Lohar Chawl Plot No 157/161 Zaveri Building Near Bank of India Kalbadevi Branch Shamaldas Gandhi Market Mumbai - 400002

# POLYCAB

IDEAS, CONNECTED.

#### **POLYCAB INDIA LIMITED**

(formerly known as 'Polycab Wires Limited')

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