



# POLYCORE

WIRES & CABLES

CONNECT WITH THE BEST



# WHAT EXACTLY IS THE POLYCORE EFFECT

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

## UNMATCHED PURITY AND PERFORMANCE

At Polycore, 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

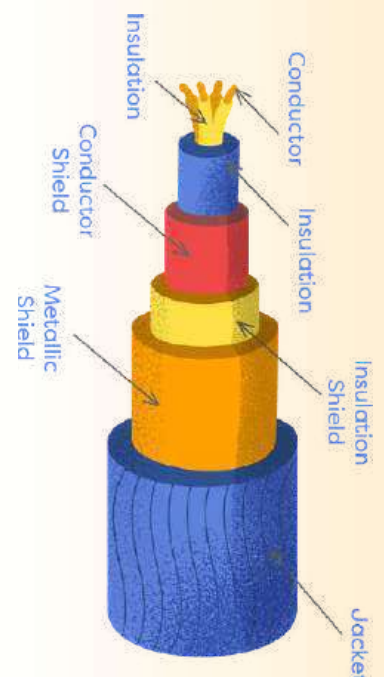
We are among the elite few manufacturers who perform annealing and wire drawing in-house. This meticulous, time-consuming process allows us to ensure that every meter of conductor meets our stringent quality criteria.

## 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 Polycore cables a smart, long-term investment.



# 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 Polycore continuously aim to provide quality wires & cables to meet our customer needs using quality management systems.**



### **EXPERT MANAGEMENT**

Polycore 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**

Polycore 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 Polycore 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 Polycore**

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

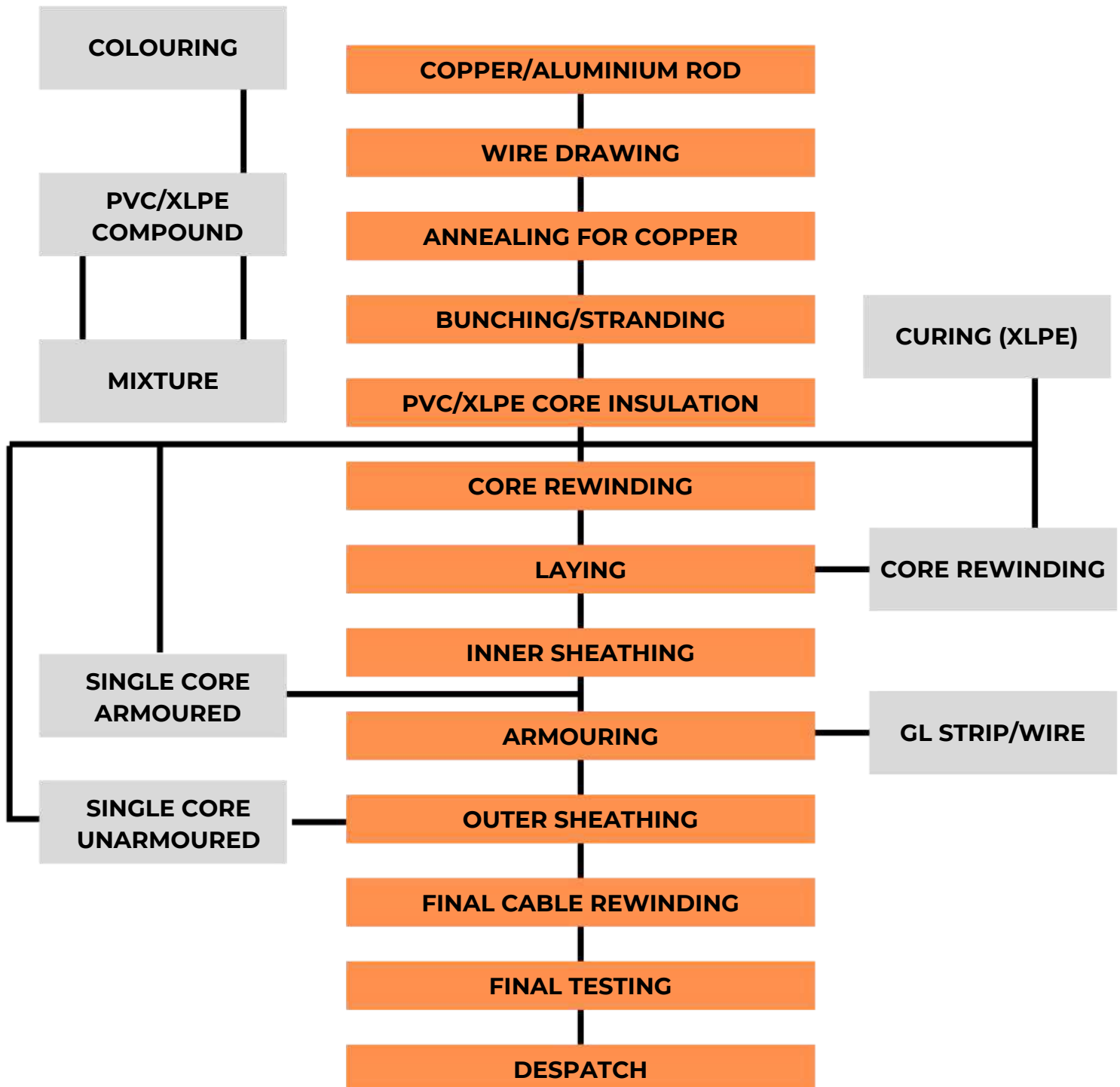
## SHEATHING/JACKETING

- 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 Polycore 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,

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POLYCORE SOLAR

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POLYCORE CLASSIC 100  
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POLYCORE CLASSIC 110 CY

## POLYCORE DOMESTIC WIRES & CABLES

- Owing to our consistent efforts for quality and providing the best, we have developed exhaustive range of domestic wires and cables suitable to Indian homes and varied conditions. Manufactured with best quality of Conductor (electrolytic grade copper, 99.99% pure) and finest grade of indigenously developed PVC compound, POLYCORE Wires and Cables give maximum safety at no extra cost



## POLYCORE FRLS WIRES

- Whenever fire breaks-out in any building/complex, the burning of wire emanates, the toxic, black smoke, which causes injury and subsequently becomes fatal to the human life. This compelled us to develop FRLS (FIRE RETARDANT LOW SMOKE) wires. These wires are quite safe during the fire break-out.



## POLYCORE SUPERFLEX FR

- Ideal for wiring across diverse residential and commercial infrastructures, our Flame Retardant Cable is essential where stringent fire and electrical safety standards are critical. It excels in applications ranging from modern homes to high-risk industrial environments, ensuring reliable protection against fire hazards.



## POLYCORE FR-LSH

- This advanced cable is ideal for installations requiring utmost safety, such as conduits and fixed setups in fire-prone environments like chemical factories, densely wired areas, schools, hospitals, and commercial complexes. Its innovative design ensures reliability in critical settings, promoting secure wiring solutions that enhance safety protocols during emergencies.



## POLYCORE HR FR

- Our innovative cables are perfectly suited for use in conduits and fixed, protected installations, making them an ideal choice for high-density wiring environments. Designed with both safety and efficiency in mind, these cables ensure robust performance in residential, commercial, and industrial settings. Whether you're wiring a smart home, an office complex, or a manufacturing facility, our cables provide reliable, safe, and space-saving solutions.



## POLYCORE LSOH FIRE

- Owing to our consistent efforts for quality and providing the best, we have developed exhaustive range of domestic wires and cables suitable to Indian homes and varied conditions. Manufactured with best quality of Conductor (electrolytic grade copper, 99.99% pure) and finest grade of indigenously developed PVC compound, POLYCORE Wires and Cables give maximum safety at no extra cost



## POLYCORE COAXIAL

- Our high-quality coaxial cables are designed to deliver impeccable signal transmission for cable TV networks, ensuring minimal attenuation across a wide range of frequencies. The robust jacketing enhances longevity, making these cables ideal for rugged outdoor conditions where reliability is paramount. Whether for residential or commercial applications, our coaxial cables excel in providing uninterrupted, high-definition viewing experiences without signal degradation.



## POLYCORE COMMUNICATION

- Our innovative cables are perfectly suited for use in conduits and fixed, protected installations, making them an ideal choice for high-density wiring environments. Designed with both safety and efficiency in mind, these cables ensure robust performance in residential, commercial, and industrial settings. Whether you're wiring a smart home, an office complex, or a manufacturing facility, our cables provide reliable, safe, and space-saving solutions.



## POLYCORE CAT

- Essential backbone for data transmission in industries, residential, and commercial infrastructure.



## POLYCORE CCTV

- Designed for high-definition video transmission in security and surveillance systems, these CCTV cables ensure minimal distortion and reliable signal integrity. Ideal for both commercial and residential installations, they provide essential support in maintaining clear and uninterrupted video feeds, crucial for effective monitoring and security management.



## POLYCORE SPEAKER

- Our speaker cables are engineered to deliver unparalleled clarity and fidelity in sound transmission, making them ideal for connecting speakers and public address systems. Whether you're setting up a professional sound system or upgrading your home audio setup, our cables ensure distortion-free voice reproduction and minimal dB loss. Each cable is meticulously crafted with bright annealed plain flexible electrolytic grade copper conductors, ensuring optimal conductivity and durability. The specially formulated PVC insulation provides excellent protection and ensures uniform capacitance across the entire length. Available in transparent or black with red tracer for easy polarity identification, our cables are designed for reliability and performance in any audio environment.



## POLYCORE BUS SMART

- Ideal for seamlessly integrating diverse building management systems—from precise climate control to sophisticated security and lighting systems—our EIB-BUS cable ensures robust transmission of bus signals, supporting the full spectrum of smart automation needs in modern structures. Whether it's managing heating, ventilation, lighting, or intricate telematics, our cable facilitates efficient, reliable, and interconnected operations that enhance both comfort and efficiency.



## POLYCORE 6.81Y

- Designed to excel in both commercial and residential settings, our cables are perfect for internal wiring of appliances, ensuring seamless power distribution and lighting solutions. Whether it's wiring up appliances or lighting up spaces, these cables offer reliability and efficiency.



## POLYCORE 6.81 XY

- Perfect for both commercial and residential applications, our cables are engineered to meet the demands of power and lighting circuits. Suitable for use in semi-flush exposed conduits, embedded conduits, and closed installation ducts, they are also ideal for internal wiring of appliances. With robust construction and reliable performance, these cables ensure seamless and efficient power distribution and lighting in any building.



## POLYCORE PVC/PVC TWIN CORE FLAT

- Our PVC cables cater to a wide array of wiring needs. The standard PVC 70°C cables are perfect for residential and commercial infrastructures, ensuring reliable performance in everyday environments. For higher ambient temperatures, the HR PVC 85°C cables offer enhanced durability and safety. In public places like schools, hospitals, and theatres, as well as fire-prone areas and chemical factories, the FR-LSH 70°C cables provide superior fire resistance and low smoke emissions, safeguarding both occupants and property.



## POLYCORE STEEL BRAIDED YSY

- Our power cables with braided screen are essential for building and commercial infrastructure, tool machinery, and plant installations. The galvanized steel wire braiding provides unmatched mechanical damage protection, while also improving corrosion resistance and soldering capabilities. The transparent sheath not only enhances the cable's aesthetics but also allows for visual inspection, ensuring reliability in critical applications.



## SPECIAL SINGLE CORE

### POLYCORE FLEX HO5V-K

- Used in internal wiring of devices, protected installations in or on lighting equipment. Signal systems in and on plaster in tubes.



### POLYCORE FLEX HO7V-K

- Laying in tubes, exposed or buried in plaster as well as closed installation ducts. For direct laying on racks, troughs and tubes only as potential equalization conductor.



### POLYCORE FLEX HO5Z-K-90C

- For wiring of lamps, devices, switchgear cabinets and distribution boxes. For installing tubes on, in and under plaster as well as in closed installation ducts in building with high density of people or valuable assets. For use in dry rooms, for expanded ambient temperature.



### POLYCORE FLEX HO7Z-K-90C

- Low voltage switching and distribution equipment. Protected installations in or on lighting equipment. Protected installations in pipes and wiring shafts, as well as installation and assembly. Factory wiring.



### POLYCORE HO7V2-K

- Low voltage switching and distribution equipment. Protected installations in or on lighting equipment. Protected installations in pipes and wiring shafts, as well as installation and assembly. Factory wiring.



### POLYCORE HF HO7Z

- Our cables are crafted to meet the stringent demands of installations where safety is paramount. Ideal for environments where fire hazards are a concern, these cables feature LSZH insulation (Low Smoke Zero Halogen) to minimize smoke emissions and toxic fumes in case of fire, ensuring the safety of occupants and preserving critical infrastructure.



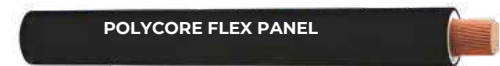
### POLYCORE HO7V-R

- From semi-flush exposed conduits to embedded installations and closed ducts, our cables are designed to excel in diverse building wiring applications. Whether powering up lighting systems or ensuring robust electrical distribution, these cables deliver uncompromising performance and reliability.



## POLYCORE FLEX PANEL

- Our specialized internal wiring cables are meticulously designed for use in switch control, relay, and instrumentation panels of power switchgear. These cables are perfect for stationary appliances, internal connectors in rectifier equipment, motor starters, and controllers. We offer a variety of cables to suit different needs: PVC 70°C for general wiring, FR PVC 70°C for enhanced safety in ambient conditions, HR PVC 85°C for higher temperature environments, HR FR PVC 85°C for both higher temperatures and safety, and FR-LSH PVC 70°C for public places and fire-prone areas. Each type ensures reliable performance and safety in control cabinets, panels, and power switchgear.



## POLYCORE H07Z1-K

- Our halogen-free single-core wires are specifically designed for dry environment installations, providing safe and reliable wiring solutions for lighting fixtures and units. These cables are ideal for areas where protection of valuable assets from fire damage is critical. Suitable for installation on, in, and beneath plaster, as well as in closed installation ducts, these wires are perfect for use in public places such as hospitals, schools, museums, airports, bus terminals, shops, computer rooms, offices, production plants, switchboard wiring, and laboratories. Adhering to BS EN 50525-3-31 standards, they ensure safety and durability in diverse applications.



## POLYCORE H05V2-K

- Our heat resistant internal wiring cables are specifically designed for use in switch control, relay, and instrumentation panels of power switchgear. They are perfect for internal connectors in rectifier equipment, motor starters, and controllers, ensuring reliable performance even in high-temperature environments. Meeting BS/VDE EN 50525-2-31 standards, these cables provide exceptional durability and safety, making them ideal for demanding industrial applications.



## POLYCORE H05Z1-K

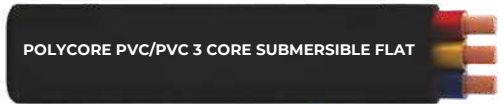
- Our halogen-free single-core wires are specifically designed for dry environment installations, providing safe and reliable wiring solutions for lighting fixtures and units. These cables are ideal for areas where protection of valuable assets from fire damage is critical. Suitable for installation on, in, and beneath plaster, as well as in closed installation ducts, these wires are perfect for use in public places such as hospitals, schools, museums, airports, bus terminals, shops, computer rooms, offices, production plants, switchboard wiring, and laboratories. Adhering to BS EN 50525-3-31 standards, they ensure safety and durability in diverse applications.



## SUBMERSIBLE CABLES

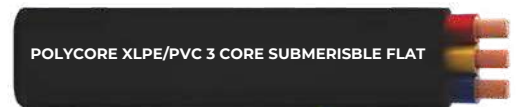
### POLYCORE PVC/PVC 3 CORE SUBMERSIBLE FLAT

- Our PVC insulated and sheathed 3 core flat cables are engineered to excel in demanding environments. Primarily designed for pump connections, these cables are also perfect for a wide array of industrial applications. The durable sheath is meticulously crafted to withstand harsh outdoor conditions, offering superior resistance to water and environmental stress. Whether you need dependable performance in agricultural, construction, or manufacturing settings, these cables deliver unwavering reliability and protection.



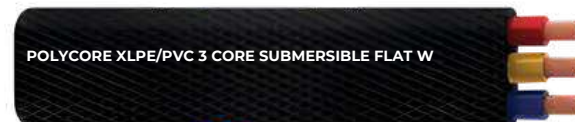
### POLYCORE XLPE/PVC 3 CORE SUBMERISBLE FLAT

- Our PVC insulated and sheathed 3 core flat cables are expertly crafted to endure the most challenging conditions. Primarily used for connecting pumps, these robust cables are equally effective in a variety of industrial settings. Designed to withstand severe and demanding environments, they ensure consistent and reliable power supply where you need it most. Whether in agriculture, construction, or heavy industries, our cables deliver outstanding performance and durability.



### POLYCORE XLPE/PVC 3 CORE SUBMERSIBLE FLAT W

- Our submersible flat cables feature a unique tube-like structure that ensures insulated cores remain perfectly separated, enhancing both mechanical and electrical integrity. Designed specifically for submersible pump connections, these cables excel in tough and severe environments. The knurled outer surface provides superior durability and abrasion resistance during handling and installation, ensuring longevity and reliability in every application.



# POWER CABLES

## POLYCORE POWER 1 CORE

- Designed for robust performance in various electrical installations, these single-core, PVC-insulated, unarmoured cables are ideal for applications requiring reliable power transmission. Suitable for use with both aluminum and copper conductors, these cables can be tailored to meet specific needs, including variations in insulation and sheath types, making them versatile for a wide range of industrial and residential applications.



## POLYCORE POWER 2 CORE

- Ideal for a wide spectrum of applications, our 2-core AL/CU conductor cables, PVC insulated and unarmoured, adhere strictly to IS 1554 Part - 1 standards. From industrial machinery to residential installations, these cables ensure reliable power transmission and safety.



## POLYCORE POWER 3 CORE

- Our triple-core AL/CU conductor cables, PVC insulated and unarmoured, are designed according to IS 1554 Part - 1 standards, making them versatile for a wide range of applications. Whether for industrial machinery, commercial buildings, or residential projects, these cables ensure efficient power distribution and reliability.



## POLYCORE POWER 3.5 CORE

- Our 3.5-core AL/CU conductor cables, PVC insulated and unarmoured, are crafted to meet IS 1554 Part-1 standards, ensuring superior performance across diverse applications. Whether for industrial plants, infrastructure projects, or renewable energy installations, these cables guarantee efficient power distribution and reliability.



## POLYCORE POWER 4 CORE

- Our 4-core AL/CU conductor cables, PVC insulated and unarmoured, conform to stringent IS 1554 Part - 1 standards, offering unparalleled versatility for various applications. Whether for industrial automation, telecommunications, or renewable energy projects, these cables ensure seamless power distribution and reliability.



## POLYCORE POWER ARM 1 CORE

- Our single-core AL/CU conductor cables, designed with PVC insulation and robust aluminum steel strip/wire armoring, adhere to the stringent IS 1554 Part - 1 standards. These cables are ideal for critical applications, including underground installations, industrial settings, and infrastructure projects, providing exceptional reliability and safety.



## POLYCORE POWER ARM 2 CORE

- Our dual-core AL/CU conductor cables, PVC insulated and armored with galvanized steel strip or wire, adhere to IS 1554 Part - 1 standards. Engineered for robust performance, these cables are perfect for demanding environments such as industrial plants, underground installations, and high-stress applications, ensuring reliable power transmission and enhanced safety.



## POLYCORE POWER ARM 3 CORE

- Our three-core AL/CU conductor cables, PVC insulated and armored with galvanized steel strip or wire, conform to IS 1554 Part - 1 standards. Designed for robust performance in demanding environments, these cables are ideal for industrial plants, underground installations, and other high-stress applications, ensuring reliable power transmission and superior safety.



## POLYCORE POWER ARM 3.5 CORE

- Our 3.5-core AL/CU conductor cables, PVC insulated and armored with galvanized steel strip or wire, adhere to IS 1554 Part - 1 standards. Engineered for demanding environments, these cables are ideal for industrial applications, underground installations, and high-stress situations, ensuring reliable power transmission, enhanced safety, and ease of installation. .



## POLYCORE POWER ARM 4 CORE

- Our 4-core AL/CU conductor cables, PVC insulated and armored with galvanized steel strip or wire, comply with IS 1554 Part - 1 standards. These cables are designed to excel in industrial, underground, and high-stress applications, providing dependable power transmission, enhanced safety, and ease of installation for a variety of demanding environments.



## POLYCORE POWER MULTI 1.5 SQMM

- Our 1.5 Sq. mm copper conductor control cables, PVC insulated and available in both unarmoured and galvanized steel strip/wire armoured variants, comply with IS 1554 Part - 1 standards. Designed to meet the demands of complex control systems, these cables are ideal for industrial automation, power distribution, and critical control circuits. They ensure reliable signal transmission, enhanced protection, and easy identification, making them perfect for both indoor and outdoor installations.



## POLYCORE POWER MULTI 2.5 SQMM

- Introducing our 2.5 Sq. mm copper conductor control cables, meticulously crafted to meet IS 1554 Part - 1 standards. These PVC-insulated cables, available in both unarmoured and galvanized steel strip/wire armoured versions, are designed for reliable performance in demanding environments. Ideal for complex control systems in industrial automation, power distribution, and critical control circuits, they ensure consistent signal integrity, robust mechanical protection, and ease of installation with color-coded cores.



## POLYCORE POWER XLPE 1 CORE

- Our 1 core AL/CU conductor, XLPE insulated, unarmoured cables are designed for reliable performance in both 1.1 kV (A.C) and 1.5 kV (D.C) applications. Engineered to meet the rigorous standards of IS 7098 Part-1, these cables ensure superior insulation and enhanced electrical properties, making them ideal for a wide range of industrial and commercial installations. The cross-linked polyethylene (XLPE) insulation provides exceptional resistance to thermal deformation and chemical exposure, ensuring longevity and consistent performance in harsh environments.



## POLYCORE POWER XLPE 2 CORE

- Our 2-core AL/CU conductor, XLPE insulated, unarmoured cables are engineered to meet the stringent requirements of IS 7098 Part - 1, ensuring exceptional performance for 1.1 kV (A.C) and 1.5 kV (D.C) applications. Designed for both industrial and commercial environments, these cables offer superior electrical properties and durability. The cross-linked polyethylene (XLPE) insulation provides excellent resistance to thermal and chemical stress, making these cables ideal for demanding conditions where reliable power distribution is critical.



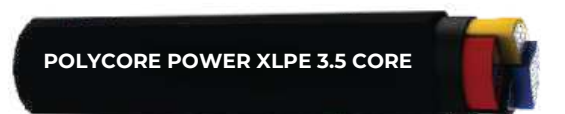
## POLYCORE POWER XLPE 3 CORE

- Our high-voltage XLPE unarmoured cables are designed for reliable power distribution across various industrial and commercial applications. They excel in transmitting 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, ensuring robust performance in diverse environments from manufacturing plants to residential complexes.



## POLYCORE POWER XLPE 3.5 CORE

- Our high-voltage XLPE unarmoured cables are designed for efficient transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for a wide range of industrial and commercial applications.



## POLYCORE POWER XLPE 4 CORE

- Our high-voltage XLPE unarmoured cables are designed for reliable transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, ideal for various industrial and commercial applications.



## POLYCORE POWER XLPE ARM 1 CORE

- Our high-voltage XLPE armoured cables are designed to safely transmit 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for various industrial and commercial applications requiring robust protection.



## POLYCORE POWER XLPE ARM 2 CORE

Our high-voltage XLPE armoured cables are designed for secure transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for diverse industrial and commercial applications requiring robust protection.



## POLYCORE POWER XLPE ARM 3 CORE

Our high-voltage XLPE armoured cables are designed for reliable transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for various industrial and commercial applications requiring robust protection.



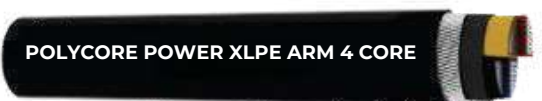
## POLYCORE POWER XLPE ARM 3.5 CORE

- Our high-voltage XLPE armoured cables are designed for secure transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for diverse industrial and commercial applications requiring robust protection. .



## POLYCORE POWER XLPE ARM 4 CORE

Our high-voltage XLPE armoured cables are designed for secure transmission of 1.1 kV (A.C) and 1.5 kV (D.C) currents to Earth, suitable for various industrial and commercial applications requiring robust protection.



## POLYCORE POWER MULTI XLPE 1.5 SQMM

- Our control cables with XLPE insulation are designed for reliable performance in various applications requiring secure transmission of signals and power.



## POLYCORE POWER MULTI XLPE 2.5 SQMM

- Our control cables with XLPE insulation are designed for reliable performance in various applications requiring secure transmission of signals and power.



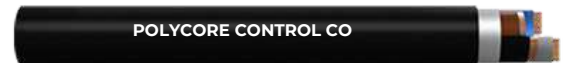
## POLYCORE POWER BS-5467

- Our BS5467 industrial power cables are ideal for robust industrial wiring and mains distribution applications. They are designed to withstand direct burial, duct installation, surface clipping, tray mounting, or free air installation, and can even be embedded in concrete.



## POLYCORE CONTROL CO

- Our power distribution cable is engineered for superior performance in low voltage applications, making it an excellent choice for power plants, transformer stations, industrial facilities, and metropolitan networks. Designed to handle heavier current and thermal loads, this cable is ideal for fixed installations in various environments, including ground, canals, concrete, and areas free from heavy mechanical stress. With its robust construction and compliance with HD 603 Part 5/ Sect.A and IEC 60502-1 standards, the cable ensures reliable and efficient power distribution across critical infrastructures.



## POLYCORE CONTROL AL

- This power distribution cable is designed to excel in low voltage applications, providing a reliable solution for power plants, transformer stations, industrial facilities, and metropolitan networks. Engineered to manage heavier current and thermal loads, this cable is perfect for fixed installations in ground, canals, concrete, and areas free from heavy mechanical stress. Complying with HD 603 Part 5/ Sect.A and IEC 60502-1 standards, the cable guarantees efficient and consistent power distribution, making it a dependable choice for various electrical installations.



# CONTROL CABLE

## POLYCORE POWER MULTI

- Used in industrial machinery, plant engineering as well as cable trays.



## POLYCORE SF

- Very Suitable for domestic applications, electrical power tools and various handyman tools. Not for permanent outdoor use



## POLYCORE CONTROL H03/H-5VVH2-F

- Our flexible cables are ideal for a variety of applications, including household appliances, plant and machinery connections, and manufacturing cords. These cables are constructed to withstand the demands of both domestic and industrial environments, offering reliable performance and safety. They are designed to meet the rigorous standards of BS EN 50525-2-11 and DIN EN 50525-2-11, ensuring compliance with international safety and quality norms. Whether for fixed installation or flexible use, these cables deliver excellent durability and versatility.



## POLYCORE CONTROL HALOGEN

- Designed for use in EMC-sensitive environments such as airports, railway stations, plant engineering, and industrial machinery, these halogen-free cables provide enhanced safety and reliability. Complying with EN 50525-3-11 standards, they are ideal for installations where fire safety and minimal toxic gas emissions are crucial. Their construction ensures excellent electromagnetic compatibility, making them suitable for sensitive instruments and applications where interference must be minimized. The flame retardant and non-propagating properties offer an added layer of security in critical settings.



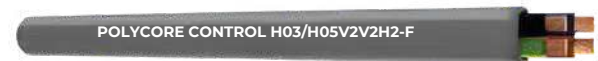
## POLYCORE CONTROL FLEX 7.5

- Our heat and humidity resistant flexible cables are ideal for connecting household appliances and internal wiring in environments with high ambient temperatures and moisture. These cables comply with BS EN 50525-2-11 standards, ensuring reliability and safety. They are suitable for both fixed and flexible installations, providing durability and efficiency under demanding conditions. Whether used in humid spaces or areas with elevated temperatures, these cables offer exceptional protection and longevity.



## POLYCORE CONTROL H03/H05V2V2H2-F

- Our flexible cables are ideal for a variety of applications, including household appliances, plant and machinery connections, and manufacturing cords. These cables are constructed to withstand the demands of both domestic and industrial environments, offering reliable performance and safety. They are designed to meet the rigorous standards of BS EN 50525-2-11 and DIN EN 50525-2-11, ensuring compliance with international safety and quality norms. Whether for fixed installation or flexible use, these cables deliver excellent durability and versatility.



## POLYCORE CONTROL FLEX YCY

- These shielded data and control cables are engineered for use in machinery, computer systems, and electronic signal transmission. Their high-level screening ensures superior protection against interference, guaranteeing disturbance-free signal and impulse transmission. The durable PVC inner sheaths enhance mechanical strength, while the clear transparent PVC outer sheath highlights the aesthetic appeal of the tinned copper braid. Ideal for flexible applications under medium mechanical stress, these cables provide reliable performance and are suitable for environments requiring free movement.



## POLYCORE CONTROL FLEX YSY

- These measuring and control cables are essential in food processing industries, packaging industries, tool machinery, plant installations, and power stations. The steel braid offers optimal mechanical protection against damage, ensuring durability in demanding environments. Enhanced with a galvanized coating, the steel wire braiding not only prevents corrosion but also improves soldering properties, enhancing longevity and reliability in critical applications.



## POLYCORE CONTROL FLEX ULTRA

- Designed for flexible use in environments with medium movement without tensile stress or forced movements, these cables perform reliably in dry, moist, and wet rooms, as well as outdoors when fixed. Ideal for manufacturing machines, machine tools, conveyor belts, and production lines, these cables ensure consistent performance under varying conditions. Their robust construction makes them suitable for both industrial and commercial applications.



## POLYCORE CONTROL 5.0

- These robust cables excel in flexible applications under medium mechanical stresses, ensuring smooth operations without tensile stress or forced movements. Ideal for use in dry, moist, and wet indoor environments, they are perfect for measuring and control applications in tool machines, conveyor belts, production lines, air-conditioning systems, and steel production facilities. Please note, these cables are not suitable for outdoor installations.



## POLYCORE CONTROL FLEX HALOGEN

- These halogen-free cables are specifically designed for use in critical environments such as airports, railway stations, plant engineering, and industrial machinery. With their robust construction and adherence to EN 50525-3-11 standards, they provide reliable performance while ensuring maximum safety. The absence of halogens reduces the risk of toxic gas emissions, making these cables ideal for installations where fire safety and reduced corrosive gas evolution are paramount. Their flame retardant properties and lack of flame propagation ensure a safer environment in the event of a fire.



## POLYCORE CONTROL BRAID HALOGEN

- These halogen-free cables are ideal for use in airports, railway stations, plant engineering, and industrial machinery, particularly in EMC-sensitive environments. Compliant with EN 50525-3-11 standards, they ensure safe, reliable data and signal transmission with a tinned copper braid screen that minimizes electromagnetic interference. Their robust construction, combined with halogen-free materials, offers enhanced fire safety, making them suitable for installations where minimal toxic gas emissions and flame retardancy are crucial.



## POLYCORE H05ZIZ1-F(318B)

- This LSZH (Low Smoke Zero Halogen) indoor general wiring cable is designed for installations in public areas where fire safety is paramount. Ideal for use in hospitals, hotels, airports, and educational institutions, the cable can be employed as pendant lighting drops or as a general supply lead. Compliant with BS EN 50525-3-11, it ensures minimal toxic emissions and self-extinguishing properties, making it a reliable choice for environments where safety is critical.



## POLYCORE CONTROL ULTRA

- These wiring cables are ideal for use in tool machinery, conveyor belts, production lines, plant engineering, industrial machinery, air conditioning systems, steel production plants, and rolling mills. They are engineered to handle the rigors of industrial environments with increased insulation thickness for 1 kV, ensuring reliable performance and safety. Perfect for applications requiring robust and flexible wiring solutions, these cables provide excellent resistance to mechanical stress and environmental factors.



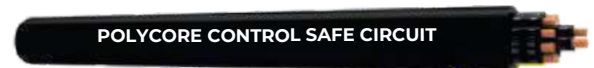
## POLYCORE CONTROL YCY ULTRA

- These wiring cables are essential for tool machinery, conveyor belts, production lines, plant engineering, industrial machinery, air conditioning systems, steel production plants, and rolling mills. Featuring dense copper screening, they ensure compliance with electromagnetic interference (EMI) standards, crucial for maintaining signal integrity in demanding environments. With insulation suitable for 1 kV, these cables are designed for durability and reliability in harsh industrial conditions.



## POLYCORE CONTROL SAFE CIRCUIT

- These cables are specifically designed for intrinsically safe circuits in hazard-prone areas where control and measuring requirements are stringent. The blue sheath signifies their suitability for such applications, ensuring safety and compliance with standards like DIN EN 60079-14 and VDE 0165 Part 1. These installations typically operate without grounding and require a separate power circuit, making these cables essential for maintaining safe and reliable operations in challenging environments.



## POLYCORE CONTROL SAFE CIRCUIT CY

- These cables are designed for intrinsically safe circuits in hazardous areas, providing reliable control and measurement capabilities. The distinctive blue sheath ensures easy identification, making them ideal for installations that are not earthed and require a separate power circuit. Compliant with DIN EN 60079-14 and VDE 0165 Part 1 standards, these cables deliver safety and performance in challenging conditions, ensuring seamless operation in critical environments.



# SOLAR CABLES

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## POLYCORE SOLAR

- These cables are designed for connecting Photovoltaic power supply systems, Can be used for both indoor and outdoor for fixed and flexible installations with high mechanical strength in extreme weather conditions.



# INSTRUMENTATION CABLE

## POLYCORE IMC PVC

- This PVC sheathed twisted pair cable is designed for general wiring applications and intrinsically safe systems. Ideal for environments where reliable signal transmission and safety are critical, such as industrial plants and control systems, this cable features a robust construction with annealed copper conductors, twisted pairs for signal integrity, and a PVC sheath. Available in both black and blue for easy identification of intrinsically safe systems, it complies with EN 50288-7 and EN 60332-1-2 standards for flame propagation and safety.



## POLYCORE IMC PVC PIMF

- This PVC sheathed twisted pair cable is designed for general wiring and intrinsically safe systems. Ideal for environments requiring robust signal transmission and safety, such as industrial plants and control systems, it features annealed copper conductors, twisted pairs, and both individual and collective screening for optimal signal protection. Available in black and blue for clear identification, it meets EN 50288-7 and EN 60332-1-2 standards for flame propagation and safety.



## POLYCORE IMC XLPE

- These cables are designed for use in industrial applications such as airports, railway stations, and plant engineering. They are suitable for EMC-sensitive instruments and offer reliable data and signal transmission in harsh environments. The halogen-free construction ensures safety in public areas where fire safety is paramount.



## POLYCORE IMC XLPE PIMF

- These cables are crafted to meet the rigorous standards of EN 50288-7, ensuring reliability in demanding environments. Featuring annealed copper conductors and crosslinked polyethylene (XLPE) insulation, they are designed with twisted pairs for efficient data transmission. Each pair is identified with black and white color coding, numbered on a white core for multi-element configurations. The cables incorporate dual shielding: an aluminium/PETP tape over tinned copper drain wire, with plastic tape beneath and above the screen, organized in concentric layers for optimal protection. Available in black, with a blue option for intrinsically safe systems, the PVC sheath ensures durability and flame retardance (EN 60332-1-2), operating seamlessly in temperatures ranging from -30°C to +90°C, making them versatile for various industrial applications.



## POLYCORE IMC PVC ARM

- These cables, compliant with EN 50288-7 standards, are engineered for robust performance in industrial settings. They feature annealed copper conductors with PVC insulation and are organized in twisted pairs for efficient data transmission. Each pair is identified by black and white color coding, continuously numbered on a white core for multi-element configurations. The cables are further protected with PETP tape wrapping and a collective shield of aluminium/PETP tape over tinned copper drain wire. An inner PVC sheath provides additional insulation, while galvanized round steel wires offer durable armor against mechanical stress.



## POLYCORE IMC PVC PIMF ARM

- Designed to meet EN 50288-7 standards, these cables are crafted for reliable performance in industrial environments. Featuring annealed copper conductors and PVC insulation, they are organized in twisted pairs with black and white identification for seamless multi-element installations. The cables incorporate dual shielding: aluminium/PETP tape over tinned copper drain wire, with plastic tape layers beneath and above the screen, arranged in concentric layers for optimal protection. An inner PVC sheath enhances insulation, while galvanized round steel wires provide robust armor against mechanical stress. Available in black, with a blue variant for intrinsically safe systems, the PVC outer sheath ensures flame retardance (EN 60332-1-2).



## POLYCORE IMC XLPE ARM

- Adapted to EN 50288-7 standards, these cables are ideal for demanding industrial applications. They feature annealed copper conductors according to BS EN 60228, with crosslinked polyethylene (XLPE) insulation ensuring durability and performance in varying conditions. The cables are designed in twisted pairs, with black and white pairs continuously numbered for ease of identification in multi-element installations. PETP tape provides an additional layer of protection, complemented by a collective screen of aluminium/PETP tape over tinned copper drain wire to enhance signal integrity. A robust PVC inner sheath adds further insulation, while galvanized round steel wires offer mechanical strength and protection. Available in black, with an optional blue sheath for intrinsically safe systems, these cables meet flame propagation standards (EN 60332-1-2) and operate reliably in temperatures ranging from -30°C to +90°C.



## POLYCORE IMC XLPE PIMF ARM

- Adapted to EN 50288-7 standards, these cables are engineered for rigorous industrial environments. They feature annealed copper conductors with crosslinked polyethylene (XLPE) insulation, providing exceptional durability and performance across a wide temperature range. Designed with twisted pairs, black and white identification, and individual aluminium/PETP tape screens over tinned copper drain wires, these cables ensure superior signal integrity. The concentric layer assembly, coupled with a collective screen of aluminium/PETP tape, adds an extra layer of protection. Encased in a tough PVC inner sheath and galvanized steel wire armor, these cables are suitable for high-stress applications. Available in black or blue for intrinsically safe systems, these cables meet flame propagation standards (EN 60332-1-2) and operate within -30°C to +90°C.



## POLYCORE IMC MULTI PVC

- These robust cables are essential for intrinsically safe circuits in hazardous areas, offering precise control and measurement. With a blue sheath for easy identification, they are designed for environments that are not earthed and require a separate power circuit. Compliant with EN 50288-7 standards, these cables ensure high safety and reliability. The tinned copper braided screen ensures disturbance-free transmission of data and signals, making them ideal for maintaining signal integrity in challenging conditions.



## POLYCORE IMC MULTI XLPE

- These high-performance cables are designed for intrinsically safe circuits in hazardous environments, ensuring precise control and measurement. Featuring a distinctive blue sheath for easy identification, these cables are perfect for applications requiring a separate power circuit in non-earthed environments. Compliant with EN 50288-7 standards, they provide exceptional safety and reliability. The tinned copper braided screen ensures disturbance-free transmission of data and signals, making them ideal for maintaining signal integrity in demanding conditions.



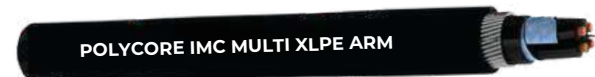
## POLYCORE IMC MULTI PVC ARM

- These durable cables are essential for intrinsically safe circuits in hazardous areas, ensuring precise control and measurement. Designed with a distinctive blue sheath for easy identification, these cables are ideal for environments requiring a separate power circuit. Meeting EN 50288-7 standards, they offer robust safety and reliability. The tinned copper braided screen ensures disturbance-free data and signal transmission, while the galvanized steel wire armour provides additional mechanical protection.



## POLYCORE IMC MULTI XLPE ARM

- These high-strength cables are designed for intrinsically safe circuits in hazardous environments, ensuring reliable control and measurement. The blue sheath allows for easy identification, making them perfect for applications requiring a separate power circuit. Compliant with EN 50288-7 standards, these cables offer outstanding safety and reliability. Featuring galvanized steel wire armour for enhanced mechanical protection, and a tinned copper braided screen for disturbance-free data and signal transmission, they are ideal for challenging industrial settings.



# BUS CABLES

## POLYCORE BUS SAFETY

- Fixed installation For flexible checkout BuS safety FD P



## POLYCORE BUS FF

- Used in intrinsically safe areas, especially in the field of process automation fixed installation.



## POLYCORE BUS PB FD P

- For highly flexible applications like (power chains, moving parts) Suitable for torsional applications which are typically for loop in wind, turbine generators.



## POLYCORE BUS PB FD PA

- For highly flexible applications like (power chains, moving parts) Suitable for torsional applications which are typically for loop in wind, turbine generators.



## POLYCORE BUS PB FD PCOMBI

- Factory instrumentation protocol



## POLYCORE BUS PB TORSION

- Profibus DP, also Suitable for FIP (factory instrumentation protocol)



## POLYCORE BUS PB FD PHYBRID

- Suitable for Factory instrumental protocol



## POLYCORE BUS PB FD P FC

- Used in factory instrumentation Protocol For highly flexible application like power chains or moving machine parts



## POLYCORE BUS PB FD P FC DUAL

- Used in factory instrumentation Protocol



## POLYCORE BUS PB FD Y HYBRID

- Used in factory instrumentation Protocol



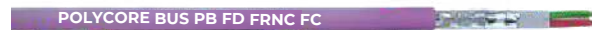
## POLYCORE BUS PB Y 7-W FC BK

- Used in factory instrumentation Protocol



## POLYCORE BUS PB FD FRNC FC

- For highly flexible use in energy supply chains or permanently moving machines and linear robots. Provides special advantage for use in sensitive areas where fire propagation must be avoided and the presence of toxic fumes would cause personal injury and damage to equipment.



## POLYCORE DEVICE NET FD THICK

- Used in connecting industrial devices like limit switches, photoelectric switches, valve islands, motor starters, drivers, PLCs.



# DATA CABLES

## POLYCORE FLEX LIYY

- Widely used control and signal cable in electronics of computer systems, electronic control equipment as well office machines suitable for dry or damp rooms Occasional flexing



## POLYCORE FLEX LIYY (TP)

- Widely used control and signal cable in electronics of computer systems, electronic control equipment as well office machines suitable for dry or damp rooms Occasional flexing



## POLYCORE FLEX LIHH

- Used in public buildings, transport systems and industrial plants as well as data processing, measurement and control engineering. Suitable for areas with high density of people as well as high value property that must be protected in an event of fire Widely used in safety related systems and as an electronic cable



## POLYCORE FLEX LIHCH

- Used in public buildings, transport systems and industrial plants as well as data processing, measurement and control engineering. Suitable for areas with high density of people as well as high value property that must be protected in an event of fire widely used in safety related systems and as an electronic cable as well as computer systems, instrumentation systems, office equipment and balances whenever screened halogen cables are needed



## POLYCORE FLEX LIHCH (TP)

- Used in public buildings, transport systems and industrial plants as well as data processing, measurement and control engineering. Suitable for areas with high density of people as well as high value property that must be protected in an event of fire widely used in safety related systems and as an electronic cable as well as computer systems, instrumentation systems, office equipment and balances whenever screened halogen cables are needed



## POLYCORE LI2YCY PIMF

- Suitable for wiring data systems and controls in large industrial plants for transmission of sensitive signals and high bit rates for enhanced requirements in near end cross talk attenuation and high electrical interference in the circuits thanks to metal foil screened pairs. For measurement value transmission and serial 2 wire interfaces Cable of this type are intended for limited flexible use and for fixed installation in dry damp interiors.



## POLYCORE LIYCY

- Screened data cable which can be used in computer systems, instrumental technology office machinery, scales screened cables with small diameter Dry or damp indoors



## POLYCORE LIYCY (TP)

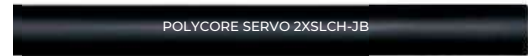
- Screened data cable which can be used in computer systems, instrumental technology office machinery, scales screened cables with small diameter. Cable of these kinds of design for fixed installation, dry and damp interiors for air conditional flexible use



## SERVO CABLES

### POLYCORE SERVO 2XSLCH-JB

- Used as a connecting cable between frequency converter and motor Suitable for dry,damp or wet interiors Applicable for paper industry, automotive industry, food production and packing machinery



### POLYCORE SERVO 2YSLCY-JB

- Used as a connecting cable between frequency converter and motor Suitable for dry, damp or wet interiors Applicable for paper industry, chemical industry , heavy industry



### POLYCORE SERVO 3D 7DSL

- Works as a connecting cable between servo controller and motor. Used by industrial robots, moving machine parts or drag chains as well as automated handling equipment, specifically used in wet areas of machine tools and transfer lines. As part of dress packs of buckling arms robots and for use for gantry robots Suitable for both indoor and outdoor use.



### POLYCORE SERVO FD 7DSL

- Serves as a connecting cable between servo controller and motor, in power chains and moving machine parts. Suitable for power drive systems in automation engineering, assembly line and pick - and-place machinery Compatible in wet areas of machine tools and transfer line



### POLYCORE SERVO FD 70 CS

- Used in power drive system in automation engineering, assembling and pick and place machinery acts as a connecting cable between servo controller and motor Suitable for indoor and outdoor use aswell as wet areas of machine tools and transfer line,



### POLYCORE SERVO FD 76 P

- Suitable as a connecting cable to link servo controller and motor cable Widely used in power chains and moving machine parts, assembling and pick and place machinery Compatible with indoor as well as outdoor use in wet areas of machine tools and transfer lines.



## POLYCORE SERVO FD 76 CP

- Suitable as a connecting cable to link servo controller and motor cable. Widely used in power chains and moving machine parts, assembling and pick and place machinery. Compatible with indoor as well as outdoor use in wet areas of machine tools and transfer lines.



## POLYCORE SERVO FD 78 CP

- Suitable as a connection cable between servo controller and encoder/resolver, works as a link between servo controller and speed generators. Used in power chains or moving machine parts. Particularly in wet areas of machine tools and transfer line. Compatible for Assembly line and production line. As well as indoor and outdoor use.



## POLYCORE SERVO FD 7TCE

- Serves as a connecting cable between servo controller and motor, in power chains and moving machine parts. Static open wiring on and between cable tray. Used in industrial machinery and machine tools, linear robots, automated handling equipment. Assembly line, production lines etc..



## POLYCORE SERVO BUS CAN

- Used in CAN based communication like CAN open. Suitable for fixed installation -



## POLYCORE SERVO 72 CY

- Used in analogue and incremental encoders in servo designs. For static and occasional flexible use, measurement, control and electrical application. Suitable for industrial machinery and plant engineering. Both indoor and outdoor use, for outdoor use within the temperature range, Enabled UV protection.



## POLYCORE SERVO FD 81 CY

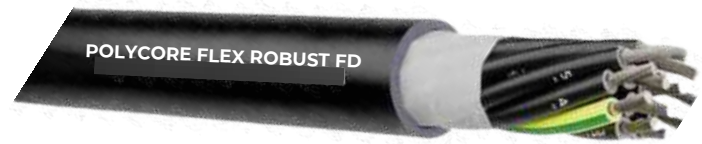
- Widely used in power chains or moving machine parts. Suitable for use in measuring, control and regulating circuits. Power circuits for electrical equipment used in Automation engineering's. Suitable for assembly lines, production lines and in all kinds of machinery. Only for outdoor use within the indicated operating temperature range. Enabled UV protection.



## POWER CHAIN CABLES

### POLYCORE FLEX ROBUST FD

- Used in power chains and moving machine parts Suitable for food and beverages industries specially for production and processing of milk and meat products as well as agricultural equipment For both indoor and outdoor use



### POLYCORE FLEX FD 900

- In power chains or moving machine parts, For internal wiring of electric and electronic equipment in switch cabinets Specially designed for power circuits of servomotors driven by frequency converters. This cable can be substitute multi- core power cables where space requirements or minimum bending radii cause problems Test systems in the automotive industry, vehicles and stationary fuel cell systems



### POLYCORE FLEX 100 CY

- Widely used in plant engineering, industrial machinery, conveyer and transport systems, servo drives, heating- air conditioning systems. As well as emc sensitive environment. Data and control cable in machinery as well as computer systems



### POLYCORE FLEX 110 CY

- Widely used in plant engineering, industrial machinery, Conveyer and transport systems, servo Drives, heating- air conditioning systems. As well as Emc sensitive environment.



### POLYCORE FLEX FD 850 P

- Suitable for power chains or moving machine parts Particularly in wet areas of machine tools and transfer line For use in assembly lines, production lines also for assembly & pick and place machinery Both for indoor and outdoor use



### POLYCORE FLEX FD 810 P

- Suitable for power chains and moving machine parts Power circuit for electrical equipment used in automation engineering Used in wet areas of machine tools and transfer line Used in assembly lines production lines, as well as measuring control and regulating circuits



## POLYCORE FLEX FD 810 CP

- Suitable for power chains and moving machine parts. Power circuit for electrical equipment used in automation engineering. Used in assembly lines, production lines, as well as measuring, control and regulating circuits. In dry, damp or wet interiors with normal mechanical stress conditioning.



## POLYCORE FLEX FD 810

- Widely used in power chains and moving machine parts, suitable for use in measuring, control and regulating circuits used in various machinery like assembly line, production line etc. For both dry and wet interiors only. For outdoor use within the indicated operating temperature range, consists of UV protection.



# SPECIAL CONCRETE CABLES

## POLYCORE FLEX NYY

- Power and control cable for fixed installation under ground without any extra protection with minimum installation depth 0.6m but at least 0.8m under roads. In concrete with temperature with a temperature below the maximum cable operating temperature of +70C for both indoor and outdoor use.



## POLYCORE FLEX NYM

- Used for installing on or under plaster, in bricks & concrete, expect for direct embedding in vibrated or compressed concrete. Suitable for dry, damp or wet interiors and outdoors keep in consideration not to put under direct sunlight.



## POLYCORE FLEX NYCY

- Power and control cable for fixed installation under ground without any extra protection with minimum installation depth 0.6m but at least 0.8m under roads. In concrete with temperature with a temperature below the maximum cable operating temperature of +70C For both indoor and outdoor use.



## POLYCORE (N) 2XCY

- Suitable as fixed installation for both indoor and outdoor use, Used in concrete, direct burial as well as water.



## POLYCORE (N) 2XCH

- Low smoke halogen free power cables for fixed installation. Used in concrete Suitable for both indoor and outdoor use.



## POLYCORE (N) 2XH-J, 2XH-O

- Suitable as fixed installation for both indoor and outdoor use, Used in concrete, direct burial as well as water.



## POLYCORE FLEX NYCWY

- Used in plant engineering, industrial machinery Heating and air conditioning systems Areas with high mechanical stress



## ROBOT CABLES

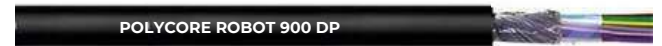
### POLYCORE ROBOT 900 P

- Suitable for Industrial machinery and machine tools, automated handling equipment, Automotive industry  
Used in Power chains or moving machine parts as well as buckling arm robots and gantry robots.



### POLYCORE ROBOT 900 DP

- Suitable for Industrial machinery and machine tools, automated handling equipment, Automotive industry  
Used in Power chains or moving machine parts as well as buckling arm robots and gantry robots.



## SPECIAL PURPOSE CABLES

### POLYCORE FLEX ROBUST 200

- Used in a variety of industries like machine tool building, medical technology, laundries, car washing equipment, composting plants, sewage works, chemical industries Suitable for food and beverages industries specially for production and processing of milk and meat products as well as agricultural equipment For both indoor and outdoor use



### POLYCORE FLEX ROBUST 210

- Used in tool building, medical technology, laundries, chemical industries, composting plants, sewage works, Car washing Equipment Suitable for food and beverages industries specially for production and processing of milk and meat products as well as agricultural equipment For both indoor and outdoor use



### POLYCORE FLEX ROBUST 215 C

- Used in tool building, medical technology, laundries, chemical industries, composting plants, sewage works, Car washing Equipment Suitable for food and beverages industries specially for production and processing of milk and meat products as well as agricultural equipment For both indoor and outdoor use Suitable in EMC sensitive environment



### POLYCORE FLEX HO5VV5-F

- Used in Industrial machinery, Plant engineering, heating and air conditioning systems and machine tools. Suitable for dry, damp and wet interiors (including water-oil mixtures). Not for outdoor use For fixed installation under medium mechanical load conditions and applications with occasional flexing at free, non continuous recurring movement without tensile load or compulsory guidance.



### POLYCORE FLEX HO5VVC45-K

- Used in Industrial machinery, Plant engineering, heating and air conditioning systems and machine tools. Suitable for dry, damp and wet interiors (including water-oil mixtures). Not for outdoor use For fixed installation under medium mechanical load conditions and applications with occasional flexing at free, non continuous recurring movement without tensile load or compulsory guidance. Suitable for EMC sensitive environments



## POLYCORE FLEX 110H

- Widely used in public buildings like airports or Railway stations specially places where human and Animal life is at high risk due to fire hazards also for Air conditioning aswell as power stations. Fixed installation as well as occasional flexing at Free, non continuous recurring movement without Tensile load. Considering the temperature range, a temerity Outdoor use is possible.



## POLYCORE FLEX 110 CH

- Widely used in public buildings like airports or Railway stations specially places where human and Animal life is at high risk due to fire hazards also for Air conditioning aswell as power stations. Fixed installation as well as occasional flexing at Free, non continuous recurring movement without Tensile load. Considering the temperature range, a temerity Outdoor use is possible.



## POLYCORE FLEX 150 CY

- Widelyused in plant engineering,industrial machinery, Conveyer and transport systems, servo Drives,heating- air conditioning systems. Ashwell as Emc sensitive environment.



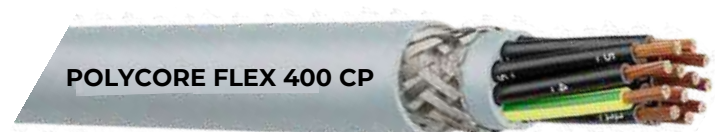
## POLYCORE FLEX 400 P

- Widely used in production and packaging machinery Used in industrial machinery, machine tools, this cable is very suitable for oily wet areas within machinery and production lines that are subjected to normal mechanical stress.



## POLYCORE FLEX 400 CP

- Used in industrialmachinery, machine tools, this cable is very suitable for oily wet areas within machinery and production lines that are subjected to normal mechanical stress. Suitable for outdoor flexible use considering the temperature range Widely used in food production and packaging machinery



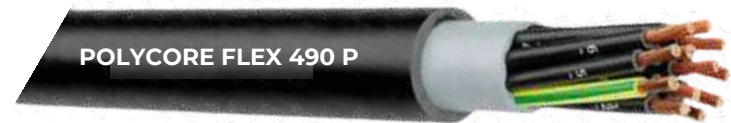
## POLYCORE FLEX 480 P

- Widely used in appliance, apparatusconstruction, industrial machinery and machine tools. Measurement control and electrical applications Very suitable for oily wet areas within machinery and production lines that are subjected to normal mechanical stress Suitable for outdoor use also considering the temperature range



## POLYCORE FLEX 490 P

- Widely used in appliance, apparatus construction, industrial machinery and machine tools. Measurement control and electrical applications Very suitable for oily wet areas within machinery and production lines that are subjected to normal mechanical stress Suitable for outdoor use also considering the temperature range



## POLYCORE FLEX 415 CP

- Used in industrial machinery, machine tools, this cable is very suitable For oily wet areas within machinery and production lines that are Subjected to normal mechanical stress. Suitable for outdoor use also, considering the temperature range Measurement control and electrical application



## POLYCORE FLEX 440 CP

- Used in industrial machinery, machine tools, this cable is very suitable for oily wet areas within machinery and production lines that are subjected to normal mechanical stress. Suitable for agricultural equipment, construction machinery and for both indoor and outdoor use.



## POLYCORE FLEX 500 P

- Comes in handy with portable handheld electrical devices such as drills ,grinders ,sanders, jigsaws Portable devices for home and garden Connection and extension cables



## POLYCORE FLEX 540 P

- Widely used in construction machinery, building sites, camp sites stage applications agricultural equipment For indoor and outdoor use Connection and extension cable



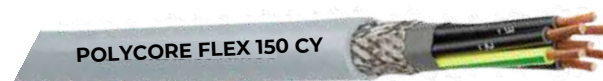
## POLYCORE FLEX 540 CP

- Widely used in construction machinery, building sites, camp sites stage applications agricultural equipment For indoor and outdoor use Connection and extension cable



## POLYCORE FLEX 150 CY

- Used in measurement and control technology, plant Engineering, industrial machinery, heating-air Conditioning systems, office machinery and system For data processing. In emc sensitive environment. Suitable for torsion application which are typically For the loop in wind turbines generators.



## POLYCORE FLEX 190 CY

- Widely used in plant engineering, industrial machinery, Conveyor and transport systems, servo Drives, heating- air conditioning systems. As well as Emc sensitive environment. Suitable for use in dry, damp as well as wet Interiors (including water oil mixtures) but not for Outdoor use.



## POLYCORE FLEX 100 SY

- Used in plant engineering, industrial machinery Heating and air conditioning systems Areas with high mechanical stress



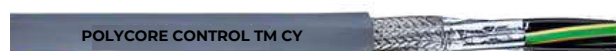
## POLYCORE FLEX 110 SY

- Used in plant engineering, industrial machinery Heating and air conditioning systems Areas with high mechanical stress for fixed installation as well as occasional flexing at Free, non continuously recurring movement without tensile load



## POLYCORE CONTROL TM CY

- Used in industrial machinery, plant engineering with unprotected 600 V operation on cable tray. Suitable for tool machines, Wind turbine tray cable, outdoor use and direct burial.



## POLYCORE FLEX 540 CP

- These specialized cables are designed for UPS systems and server rooms, where effective heat management is critical due to continuous operation. The innovative nylon and fiberglass braiding prevents heat from being transferred to surrounding areas, ensuring safe and efficient performance. Widely used in aircraft cabling, these cables provide superior heat resistance and reliability in demanding environments, making them ideal for high-stress applications.



## POLYCORE WELDING - IS 9857

- These welding cables are engineered for seamless use between welding generators, hand electrodes, and workpieces. Ideal for demanding environments such as automobile industries, shipbuilding, transport and conveyor systems, tool-making machinery, and welding robots, they ensure reliable performance. The cables are built to withstand tough conditions, making them perfect for both dry and damp interiors, as well as open-air environments.



## POLYCORE WELDING SINGLE INSULATION

- Designed for the transmission of high currents from electric welding machines to welding tools, these welding cables are perfect for flexible use in rugged conditions. They are ideal for assembly lines, conveyor systems, machine tool and motor car manufacturing, shipbuilding, and spot welding machines. Their durability and flexibility make them suitable for a wide range of industrial applications, ensuring reliable performance in both dry and damp environments, as well as in open air.



## POLYCORE WELDING DOUBLE INSULATION

- These double insulated welding cables are designed to provide higher current carrying capacity, making them ideal for conducting secondary voltage in the secondary side connections of MMA welding power sources. Their robust construction and flexibility make them suitable for use in open air, as well as in dry and damp interiors. Perfect for welding machines, these cables ensure reliable performance in various industrial settings.



## POLYCORE ELEVATOR

- These power and control flat cables are specifically designed for use in festooned systems on handling equipment, such as overhead cranes. Suitable for both indoor and outdoor environments, they can operate in ambient temperatures down to -25°C and accommodate trolley traveling speeds up to 120 meters per minute. Their robust construction ensures reliable performance in various industrial settings.

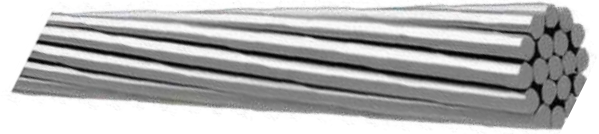


# ALUMINIUM CONDUCTOR

## POLYCORE ALUMINIUM CONDUCTORS

### ALUMINIUM CONDUCTOR STEEL REINFORCED (ACSR)

**Construction** The mixed construction of ACSR makes it a very flexible medium from the design point of view. By varying the relative proportions of aluminium and steel, the ideal conductor for any particular application can be produced. Generally, ACSR consists of a galvanized steel core of 1 wire, 7 wires or 19 wires surrounded by concentric layers of aluminium wire. When a conductor with a high current carrying capacity and comparatively low strength is required, special constructions are available with a high aluminum content.



# APPLIANCE WIRING

## POLYCORE TRI RATED

- Ideal for internal wiring of panels and electrical equipment, these cables excel as connection wires in machines, motors, transformers, and protective tubes. With compliance to UL 1015, 758, CSA C 22.2 No 210, and BS 6231 standards, they provide exceptional safety and performance. These cables are perfect for flexible pipes and protective tubes, ensuring reliable connections in various industrial and electrical applications.



## POLYCORE UL 1.15

- These versatile cables are designed for the internal wiring of panels and electrical equipment, serving as reliable connection wires in machines, protective tubes, flexible pipes, motors, and transformers. Conforming to UL Std. 758 and CSA C 22.2 No. 210 standards, they are ideal for demanding environments, ensuring robust performance and safety in various industrial and electrical applications.



## POLYCORE UL 1.07

- These cables are designed for internal wiring of switchboards, electronic, and electrical equipment, making them ideal for households, radios, televisions, and control desks. Adhering to UL Std. 758 and CSA C 22.2 No. 210 standards, they ensure reliable and safe connections in various applications. Whether used in flexible or fixed installations, these cables provide excellent performance and durability, even in challenging environments.



## POLYCORE UL 1.27

- This heavy-wall PVC-insulated lead wire is specifically designed for hook-up and internal wiring applications in refrigeration equipment. Meeting UL Std. 758 and CSA C 22.2 No. 210 standards, it ensures reliable performance in environments ranging from -20°C to 105°C. Its robust construction with annealed plain or tinned stranded copper conductors and PVC core insulation Type TW provides excellent resistance to heat and moisture, making it ideal for demanding industrial and commercial refrigeration settings.



## POLYCORE 2.46

- This heavy-wall PVC-insulated lead wire is specifically designed for hook-up and internal wiring applications in refrigeration equipment. Meeting UL Std. 758 and CSA C 22.2 No. 210 standards, it ensures reliable performance in environments ranging from -20°C to 105°C. Its robust construction with annealed plain or tinned stranded copper conductors and PVC core insulation Type TW provides excellent resistance to heat and moisture, making it ideal for demanding industrial and commercial refrigeration settings.



## POLYCORE 2.46

- This specialized PVC command cable, approved to UL-Style 2464 and cores according to AWG 24-16 to UL-Style 1007/1569, is engineered for robust performance in tool-making machinery, conveyor systems, and production lines. It meets UL Std. 758 standards and operates at a nominal voltage of 300V, with a test voltage of 1500V and a breakdown voltage of minimum 3000V, ensuring reliable operation in industrial environments. Designed for flexibility in temperatures ranging from -10°C to +80°C during flexible use and -20°C to +80°C for fixed installations, it features a minimum bending radius of approximately 15 times the cable diameter. The cable's construction includes annealed plain copper fine wire conductors and special PVC core insulation, providing excellent durability and performance in demanding industrial applications. Available in black or grey outer jacket colors, it is PVC self-extinguishing and flame retardant, meeting VW-1 and FT 1 test standards for enhanced safety and reliability.



## POLYCORE UL 2.57

- Designed to meet UL Std. 758 standards and UL Style 2576, 2598, these cables are ideal for internal wiring in public address systems, intercoms, internal telephones, remote control circuits, and machine tool control circuits. Operating at a nominal voltage of 300V with a test voltage of 1500V, they ensure dependable performance in various applications. The cables feature annealed plain copper fine wire conductors ranging from AWG 24 to 16, providing flexibility and durability. Their special PVC core insulation, class 43, offers robust protection and is semirigid, conforming to UL Std. 1581 for reliable electrical insulation. With color coding up to 5 cores and numbering for installations with more than 5 cores, these cables facilitate easy identification and installation. Available in black or grey outer jacket colors, they withstand temperatures from -20°C to +80°C and offer a minimum bending radius approximately 15 times the cable diameter. Additionally, they are PVC self-extinguishing and flame retardant, meeting VW-1 and FT 1 test standards for enhanced safety.



## POLYCORE UL 3.89

- These robust cables are designed for a wide range of applications, offering excellent resistance to abrasion, deformation, cut-through, and chemical attack. They are commonly used in appliances, transformers, electrical heating systems, motors, ballasts, lighting fixtures, and cooking equipment. Suitable for various uses including Appliance Wiring Material (AWM) and as Class B IEEE 130°C Motor Leads, these cables provide an economical alternative to silicone rubber and glass braid insulated wires.



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## POLYCORE UL 2568

- These cables are designed for use in grinding machines, CNC machines, machine tools, control systems, assembly lines, machining centers, bottling equipment, and data processing equipment. They are also ideal for connections between control panels and machines. With their robust construction and high durability, they ensure reliable performance in demanding industrial environments, making them perfect for a wide range of industrial applications.



# SILICON CABLES

## POLYCORE SIF

- Silicone single core cables are ideal for use in both high and extremely low-temperature environments. These cables are widely utilized in the steel production, aviation, shipbuilding, cement, glass, and ceramic industries. Their halogen-free composition makes them especially suited for power stations, providing a safe and reliable solution in critical applications. The cables excel in resisting a range of substances, ensuring longevity and performance in harsh conditions.



## POLYCORE SIHF

- Silicone multicore cables are engineered to perform in environments with extreme temperature fluctuations. They are ideal for power stations, steel production, aviation, shipbuilding, as well as ceramic, glass, and cement factories. Their halogen-free composition makes them a safe choice for critical installations. These cables are highly flexible due to their elastic core insulation, making them suitable for use as flexible connection cables in various demanding industrial applications.



## POLYCORE SIHF-GLS

- Silicone multicore cables with galvanized steel braiding are designed to withstand extreme temperatures and increased mechanical stress. These robust cables are ideal for demanding environments in steel production, cement, glass, aviation industries, and shipbuilding. Their enhanced durability makes them perfect for applications requiring reliable performance under harsh conditions. With excellent resistance to a wide range of substances and halogen-free composition, these cables ensure safety and longevity in critical industrial installations.



## POLYCORE SIF-GL

- SiF-GL and SiD/SiD-GL single core silicone cables are engineered to perform in both high and extremely low-temperature environments. These cables are essential for the steel production, aviation, and shipbuilding industries, as well as cement, glass, and ceramic factories. Additionally, they are highly suitable for control cabinet manufacturing, electric motor industry, lighting technology, heating equipment, and air conditioning systems. Designed to withstand harsh conditions, these cables ensure reliable performance where traditional cables would fail.



## AUTO CABLES

### POLYCORE SPECIAL XL

- TheSXL Special PurposeCross-Linked Polyolefin Insulated Cable is designed for demanding automotive electric circuits in motorcycles and off-road vehicles. Built to meet SAE J1128 standards, this cable features extra thick wall insulation to ensure superior performance in harsh environments. With soft annealed electrolytic copper and cross-linked polyethylene insulation, the SXL cable offers exceptional heat resistance and flame retardancy, making it an ideal choice for high-stress applications where reliability and safety are paramount.



### POLYCORE GENERAL XL

- TheXL General Purpose Cross-Linked Polyolefin Insulated Cable is crafted for versatile use in automotive electric circuits, making it an ideal choice for motorcycles and off-road vehicles. Built to SAE J1128 standards, these cables ensure exceptional performance in demanding environments. With a robust construction featuring soft annealed electrolytic copper and cross-linked polyethylene insulation, the GXL cable provides outstanding heat resistance and durability. Suitable for a wide range of applications, this cable is engineered to meet the rigorous requirements of automotive electrical systems, ensuring reliable and safe operation.



### POLYCORE THIN XL

- ThinWallCross-Linked Polyolefin Insulated Cable is specifically designed for automotive lighting, signals, and instrument panel circuits. Adhering to SAE J1128 standards, this cable offers superior performance in challenging environments. Its thin wall construction, combined with soft annealed electrolytic copper and cross-linked polyethylene insulation, ensures excellent heat resistance and flame retardancy. The TXL cable provides a reliable and efficient solution for modern automotive electrical systems, meeting the demanding requirements of today's vehicles.



## POLYCORE AV

- The AV Standard Wall PVC Insulated Cable is the ideal choice for harness manufacturers in the automotive industry. Designed in accordance with JASO D 611, JASO D 618, and JIS C 3406 standards, this cable ensures consistent and reliable performance. Featuring soft annealed electrolytic copper and high-quality PVC insulation, the AV cable is engineered to withstand a wide temperature range from -40°C to +80°C, making it perfect for various automotive applications. This cable provides the durability and flexibility required for efficient and safe automotive electrical systems.



## POLYCORE AV THIN

- The AVS Thin Wall PVC Insulated Cable is designed for optimal performance in automotive applications. Conforming to JASO D 611 and JASO D 618 standards, this cable is ideal for use in vehicles where space and weight are critical factors. With a construction featuring soft annealed electrolytic copper and thin wall PVC insulation, the AVS cable offers excellent conductivity and durability while maintaining a compact profile. It operates reliably across a temperature range of -40°C to +80°C, making it a versatile solution for modern automotive electrical systems.



## POLYCORE AV ULTRA THIN

- The UltraThinWall PVC Insulated Cable is meticulously crafted for automotive applications where space and weight are crucial. Meeting JASO D 611 and JASO D 618 standards, this cable is perfect for modern vehicles requiring compact and efficient wiring solutions. Featuring soft annealed electrolytic copper and ultra-thin PVC insulation, this cable offers superior conductivity and durability. It operates effectively across a temperature range of -40°C to +80°C, ensuring reliable performance in a variety of automotive environments.



## POLYCORE AUTO

- These standard wall auto cables are designed for motor wirings of fans and sensor applications in automobiles. They adhere to ISO 6722-1 standards, ensuring high quality and reliability. The cables feature soft annealed electrolytic copper and bare conductor construction according to ISO 6722-1, providing excellent conductivity and durability. With soft PVC insulation meeting Class B standards as per ISO 6722-1, they offer reliable performance in temperatures ranging from -40°C to +105°C. Cables with a conductor cross-section greater than 6 mm<sup>2</sup> are also suitable for battery cable applications, making them versatile for various automotive electrical needs.



## POLYCORE AUTO HR

- These auto cables are specifically designed for automotive applications requiring hot pressure resistance, making them ideal for use inside the engine compartment. They conform to ISO 6722-1 standards, ensuring high quality and reliability under demanding conditions. Featuring soft annealed electrolytic copper and bare conductor construction according to ISO 6722-1, these cables provide excellent conductivity and durability. The soft PVC insulation, classified as Class C per ISO 6722-1, offers robust protection and stability across a wide temperature range from -40°C to +125°C.



## POLYCORE AUTO FLEX CR

- These standard wall auto cables are engineered with cold-resistant properties and enhanced flexibility, making them ideal for automotive applications. They adhere to ISO 6722-1 standards, ensuring reliable performance in challenging conditions. Featuring soft annealed electrolytic copper and bare conductor construction according to ISO 6722-1, these cables offer excellent conductivity and durability. The soft PVC insulation is designed to withstand cold temperatures, as tested by the cold bending test at -50°C according to ISO 6722-1. They maintain flexibility and integrity over time with short-term and long-term ageing properties classified as Class B per ISO 6722-1.



## POLYCORE AUTO THIN CR

- These thin wall auto cables are designed with cold-resistant properties, ideal for automotive applications requiring flexibility and durability in cold environments. They meet ISO 6722-1 standards, ensuring high quality and reliability. Constructed with soft annealed electrolytic copper and bare conductor design according to ISO 6722-1, these cables offer excellent conductivity and robustness. The soft PVC insulation, specifically engineered for cold resistance, withstands temperatures from -50°C to +105°C. Tested with a cold bending test at -50°C per ISO 6722-1, these cables maintain flexibility and integrity over time with short-term and long-term ageing properties classified as Class B.



## POLYCORE AUTO THIN HR 1

- These thin walled cables are specifically designed for use in automotive applications where reduced insulation thickness and high temperature resistance are critical. They conform to ISO 6722 standards, ensuring reliability and performance in complex wiring harnesses. With a voltage rating of 60 V DC and 25 V AC (suitable for 12 Volts and 24 Volts systems), these cables operate effectively across a temperature range from -40°C to +105°C. Constructed with soft annealed electrolytic copper according to DIN EN 13602 and featuring concentric conductor Type A construction per ISO 6722, they offer excellent conductivity and durability.



## POLYCORE AUTO THIN HR 2

- These thin walled cables are ideal for automotive applications requiring reduced insulation thickness and high temperature resistance. They adhere to ISO 6722 standards, ensuring reliability and performance in complex wiring harnesses. With a voltage rating of 60 V DC and 25 V AC (suitable for 12 Volts and 24 Volts systems), these cables operate effectively across a temperature range from -40°C to +105°C. Constructed with soft annealed electrolytic copper (Cu-ETP) according to DIN EN 13602 and featuring PVC insulation classified as Class B to ISO 6722, they offer excellent conductivity and durability. The lead-free PVC polymer provides exceptional resistance to petrol, chemicals, and abrasion, making it suitable for both low and high temperature applications.

POLYCORE AUTO THIN HR 2

## POLYCORE AUTO ULTRA THIN

- These ultra thin wall auto cables are designed for automotive applications where space is at a premium. They conform to ISO 6722-1 standards, ensuring high reliability and performance. With a temperature range from -40°C to +105°C over 3000 hours, these cables are suitable for varied environmental conditions. Constructed with soft annealed electrolytic copper (Cu-ETP1) according to DIN EN 13602, the conductors are available in bare or tinned configurations. The soft PVC insulation, classified as cold-resistant Class B per ISO 6722-1, ensures flexibility and durability in cold weather conditions.

POLYCORE AUTO ULTRA THIN

## POLYCORE AUTO THIN HR PVC

- These thin wall auto cables are designed for automotive applications requiring hot pressure resistance, ideal for use inside engine compartments. They adhere to ISO 6722-1 standards, ensuring high reliability and performance. With a temperature range from -40°C to +125°C over 3000 hours, these cables withstand extreme heat conditions. Constructed with soft annealed electrolytic copper (Cu-ETP1) according to DIN EN 13602, the conductors are available in bare or tinned configurations as per ISO 6722-1. The special PVC insulation, classified as Class C to ISO 6722-1, offers enhanced heat resistance, making these cables suitable for demanding automotive environments.

POLYCORE AUTO THIN HR PVC

## POLYCORE AUTO ROBUST 1.0

- These automotive cables are specifically designed for starting and charging applications in motorcycles and other motor vehicles, ensuring reliability even in harsh environments. They comply with ISO 6722-1 standards, guaranteeing robustness and performance. With a temperature range from -40°C to +110°C over 3000 hours, these cables are suitable for a wide range of operating conditions. Constructed with soft annealed electrolytic copper (Cu-ETP1) according to DIN EN 13602 in bare construction per ISO 6722-1, they offer excellent conductivity and durability.

POLYCORE AUTO ROBUST 1.0

## POLYCORE ROBUST 2.0

- These cables are specifically designed for automotive applications where higher current carrying capacity and mechanical strength are paramount. Adhering to ISO 6722 standards, they are suitable for 12V and 24V systems with voltage ratings of 60V D.C. and 25V A.C. The cables operate effectively within a temperature range of -40°C to +105°C over 3000 hours, ensuring durability in extreme conditions. Constructed from soft annealed electrolytic copper (Cu-ETP) according to DIN EN 13602, the conductors meet ISO 6722 specifications for reliability. The PVC insulation and sheath, both classified as Class B to ISO 6722, provide enhanced mechanical strength without compromising flexibility, making them ideal for rugged automotive applications.



## POLYCORE ROBUSR 3.0

- These TPE-E insulated low tension automotive cables are perfect for motor vehicles, providing reliable performance for lighting, signals, and instrument panel circuits across a wide range of extreme temperatures. Complying with ISO 6722-1 Class D standards, they operate effectively from -40°C to +150°C over 3000 hours. Constructed with soft annealed electrolytic copper (Cu-ETP1) according to DIN EN 13602 and available in bare or tinned copper, these cables ensure excellent conductivity and durability. The TPE-E (Thermoplastic Elastomer) insulation offers exceptional tear and abrasion resistance, high impact strength, and superior resistance to chemicals and weather conditions.



## POLYCORE AUTO TWIST

- These unsheathed twisted wires are designed for automotive applications, offering robust performance and flexibility. Conforming to ISO 6722-1 standards, these wires operate efficiently within a temperature range of -40°C to +105°C over 3000 hours. Constructed from soft annealed electrolytic copper (Cu-ETP1) according to DIN EN 13602, with options for bare or tinned copper, these wires ensure excellent conductivity and durability. The PVC insulation adheres to ISO 6722-1 Class B properties, providing superior heat resistance and reliability.



## POLYCORE AUTO LT TRAIN

- Designed specifically for the rigorous demands of automotive engine compartments, these power train cables are integral to low-tension circuits in wire harnesses. With a maximum operating temperature of 150°C, they are built to withstand the high-heat environment under the hood. The cables feature either bare or annealed tinned copper conductors, ensuring superior conductivity and reliability. The TPE-E (Thermoplastic Elastomer) insulation offers exceptional thermal stability and durability, making these cables a dependable choice for automotive power train applications.



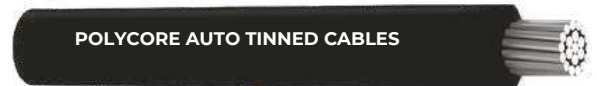
## POLYCORE AUTO THIN MULTICORE

- Our multicore cables are designed for a variety of automotive applications, providing reliable performance and durability. Conforming to ISO 6722-1 standards, these cables are crafted from electrolytic plain annealed copper, ensuring excellent conductivity. The PVC insulation and sheath are engineered to withstand temperatures up to 105°C, making them suitable for use in various automotive environments. These cables offer a versatile solution for complex wiring needs in modern vehicles.



## POLYCORE AUTO TINNED CABLES

- These premium tin-plated single and multi-core cables are engineered for starting, charging, and instrument panel circuits in automobiles. Adhering to ISO 6722-1 standards, these cables feature electrolytic annealed tinned copper, providing superior corrosion resistance and conductivity. The PVC insulation, designed to withstand temperatures up to 105°C, ensures reliable performance even under demanding conditions. Ideal for modern automotive applications, these cables offer exceptional durability and efficiency.



## POLYCORE AUTO BATTERY CABLES

- Designed for maximum reliability, these cables feature annealed bare copper strands and PVC insulation over bunched conductors. They adhere to EN 60228 standards with Class 5 for PVC battery cable and Class 6 for Flexible PVC battery cable, ensuring robust performance in automotive applications.



## POLYCORE AUTO ELASTOMERIC BATTERY CABLE

- Adapted to BS 6862 standards, these cables are designed for robust performance in challenging environments. Available in normal flex and super flex variants, they feature bare copper strands as per EN 60228 Class 6, and are packed in sturdy wooden drums.



## POLYCORE AUTO PVC IGNITION CABLE

- Efficiently transfers high voltage energy from distributors/coils to spark plugs in automotive engines, ensuring reliable ignition performance.



## FIRE AND CABLES

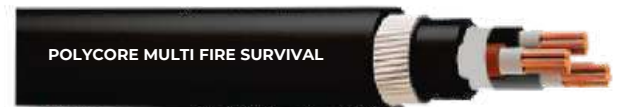
### POLYCORE FIRE ALARM

- These advanced fire-resistant cables are engineered for use in high-rise buildings, commercial complexes, schools, educational institutions, and hospitals, providing reliable connections to essential security systems like smoke detectors, emergency lighting, exit signboards, and fire command centers. Designed for environments where fire safety is paramount, our cables ensure uninterrupted performance in critical moments, offering peace of mind and enhanced safety standards.



### POLYCORE MULTI FIRE SURVIVAL

- These high-performance armoured cables are designed for use in installations where circuit integrity during a fire is crucial. Rated for 600/1000V, they are ideal for public buildings and critical infrastructures such as hospitals, theatres, shopping centers, tunnels, mass transit railways, oil and petrochemical plants, power stations, and computer installations. These cables ensure that vital circuits continue to operate in the event of a fire, thereby protecting lives, equipment, and structures from increased danger due to power failure.



### POLYCORE SINGLE CORE FIRE SURVIVAL

- Specifically designed for installations in trunking and conduits, these fire-resistant cables provide superior circuit integrity in hazardous situations. Ideal for environments where fire poses a major risk, such as commercial buildings and public infrastructure, these cables ensure continuous performance and optimum safety. For best results, they should be installed in metal conduits, offering enhanced protection and reliability in critical applications.



# CLASSIC AUTOMATION CABLES

## POLYCORE CLASSIC FD 810 P

- Our cable is a powerhouse designed for power chains, moving machine parts, and electrical circuits in automation engineering. It excels in wet environments, making it ideal for machine tools, transfer lines, assembly lines, and control circuits. Renowned for its reliability, it features a robust PUR outer sheath that withstands harsh conditions and resists mineral oils, acids, and other chemicals. With an extra fine wire strand and high-grade insulation, this cable is a durable and long-lasting solution for demanding industrial applications.



## POLYCORE CLASSIC 400 CP

- Our cable is engineered for the rigorous demands of industrial settings, especially in oily, wet environments found in food production and packaging machinery. It withstands normal mechanical stress effortlessly while offering flexibility for outdoor use within a wide temperature range. What makes it exceptional is the robust PUR outer sheath, providing unparalleled durability even in harsh conditions. It excels in resisting mineral oil-based lubricants, diluted acids, and various chemical agents, ensuring a long-lasting and reliable performance. Additionally, its inner sheath adds extra robustness, while the copper braiding effectively shields against electromagnetic interference, ensuring uninterrupted signal transmission.



## POLYCORE CLASSIC 415 CP

- Engineered for tough industrial environments, our cable thrives in oily, wet areas and handles normal mechanical stress effortlessly. Its not just limited to indoor use; its also designed for outdoor applications, thanks to its excellent temperature range tolerance. Ideal for measurement control and electrical applications, this cable boasts a robust PUR outer sheath that endures harsh conditions with ease. Its resistance to mineral oils, acids, and other chemicals is exceptional, ensuring reliable performance in demanding settings. Moreover, the copper braiding shields against electromagnetic interference, while its compact size saves space and weight during installation.



## POLYCORE CLASSIC FD 810 CP

- Our cable is the go-to choice for power chains, moving machine parts, and electrical circuits in automation engineering. It's a reliable solution for assembly lines, production lines, and control circuits, whether in dry, damp, or wet environments with normal mechanical stress. With a robust PUR outer sheath providing durability in harsh conditions and resistance to oils, acids, and other chemicals, this cable ensures uninterrupted performance. Its additional inner sheath and copper braiding enhance robustness and shield against electromagnetic interference, making it a trusted and versatile option for demanding industrial applications.



## POLYCORE CLASSIC FD 810

- Our cable is highly versatile and finds wide application in power chains and moving machine parts. It is well-suited for use in measuring, control, and regulating circuits, making it indispensable in various machinery setups like assembly lines and production lines. Designed for both dry and wet interiors, it is also suitable for outdoor use within the indicated operating temperature range, with added UV protection for durability in outdoor environments.



## POLYCORE CLASSIC 115 CY

- Our cables are the lifeline of precision measurement and control systems, seamlessly integrating into plant engineering, industrial machinery, heating-air conditioning setups, office machinery, and data processing systems. Designed for EMC-sensitive environments, they excel in torsion applications typical for loop setups in wind turbine generators. Their small diameter ensures space-saving installations, and being lightweight without an inner sheath, they offer flexibility and ease of handling. With fine wire strands of bare copper, PVC insulation, layered cores, plastic foil wrapping, tinned copper braiding, and a durable PVC outer sheath in grey RAL (7001), these cables exhibit flame retardancy, exceptional chemical resistance, high screening levels, and low transfer impedance, making them a reliable choice for critical applications.



## POLYCORE CLASSIC 400 P

- Our cable is an indispensable choice in various industries, from production and packaging machinery to industrial settings and machine tools. It thrives in oily, wet environments, enduring regular mechanical stress without faltering. What sets it apart is its remarkable compatibility with a wide range of acidic cleaners and disinfectants, ensuring longevity even in the harshest conditions. The robust polyurethane outer sheath adds an extra layer of durability, resisting mineral oil-based lubricants, diluted acids, and various chemical agents. Its design, with a fine wire copper conductor, special PVC insulation, and layered core, guarantees high performance and reliability.



## POLYCORE CLASSIC 190

- Our cable is meticulously designed for a diverse range of demanding applications, including machine tools, plant engineering, heating-air conditioning systems, and industrial machinery. It excels in various environmental conditions, from dry to damp or even wet interiors, including situations with water and oil mixtures. However, it is not suitable for outdoor use due to its specific construction. Whether for fixed installations or occasional flexing without tensile load and compulsory guidance, this cable ensures reliable performance in challenging industrial settings.



## POLYCORE CLASSIC 190 CY

- Our cables are essential across diverse sectors like plant engineering, industrial machinery, conveyor systems, and HVAC setups, including EMC-sensitive environments. Designed for dry, damp, and even wet interiors, they withstand challenging conditions like water and oil mixtures, ensuring reliable performance. With a fine wire strand, PVC insulation, tinned copper braiding, and high oil-resistant PVC outer sheath, these cables excel in electrical performance with a 4KV test voltage. They are flame retardant, oil-resistant, and provide excellent screening for interference signals, making them a top choice for critical applications.



## POLYCORE CLASSIC 150

- Our cable is meticulously crafted for a wide spectrum of demanding applications, including machine tools, plant engineering, heating-air conditioning systems, and industrial machinery. Its robust design allows for reliable performance in diverse environments, from dry settings to damp or even wet interiors with water and oil mixtures. However, it is essential to note that this cable is not suitable for outdoor use due to its specific construction. Whether for fixed installations or occasional flexing without tensile load, our cable stands out for its exceptional durability and versatility, making it a trusted choice for demanding industrial settings.



## POLYCORE CLASSIC 150 CY

- Our cables are indispensable in a wide array of industries including plant engineering, industrial machinery, conveyor systems, transport, servo drives, and HVAC systems. They are specifically crafted for environments sensitive to electromagnetic interference, ensuring seamless performance and reliability in critical applications. With a fine wire strand, PVC core insulation, tinned copper braiding, and high oil-resistant PVC outer sheath, these cables offer unmatched durability and protection against harsh conditions. Their flame retardancy, oil resistance, and superior screening capabilities make them ideal for demanding industrial settings.



## POLYCORE CLASSIC 110 CH

- Our color-coded control cable with a PVC sheath is a critical safety measure for public buildings like airports or railway stations, especially in areas with high fire hazards where human and animal lives are at risk. Designed to withstand the rigors of such environments, this cable is suitable for fixed installations and occasional flexing without tensile load, ensuring reliable performance when it matters most. It meets stringent safety standards. The cable's makeup of fine copper wire strand made of bare copper wire, halogen-free core insulation, twisted cores, tinned copper braiding, and a special halogen-free compound outer sheath in grey provides essential protection, including high flexibility and oil resistance. Its ability for temporary outdoor use adds versatility and reliability in critical situations.



## Polycore CLASSIC 110

- Our cable is meticulously designed for a wide range of applications, including power stations, industrial construction machinery, heating-air conditioning systems, and plant engineering. It excels in both dry and damp interiors under medium mechanical load conditions, offering versatility for fixed installations and occasional flexing without tensile load. With its bare copper wire bunched conductor, PVC insulation, core twisted in layers, and PVC outer sheath in grey RAL(7001), this cable ensures space-saving installation due to small diameters while delivering very high performance with short twisted conductor layers. Its capabilities extend to accommodating up to 100 conductors, making it a comprehensive solution for various needs.



## POLYCORE CLASSIC 110 H

- Our color-coded control cable with a PVC sheath is a critical safety measure for public buildings like airports or railway stations, particularly in areas with high fire hazards where human and animal lives are at risk. Designed to withstand the rigors of such environments, this cable is suitable for fixed installations and occasional flexing without tensile load, ensuring reliable performance when it matters most. PVC outer sheath provides essential protection, including flame retardancy and good chemical resistance. Its ability to operate in a wide temperature range also makes it suitable for temporary outdoor use, adding an extra layer of safety in critical situations.



## POLYCORE CLASSIC 110 SY

- Our cable is designed for demanding environments in plant engineering, industrial machinery, heating and air conditioning systems, and areas with high mechanical stress. It provides extra mechanical protection with its braided steel wire construction, ensuring durability and reliability in challenging conditions.



## POLYCORE CLASSIC 100

- Our cable is meticulously designed for demanding environments such as power stations, industrial construction machinery, heating-air conditioning systems, and plant engineering. It thrives in dry or damp interiors under medium mechanical load conditions, offering versatility for fixed installations and occasional flexing without tensile load. The cable's construction includes a bared copper wire bunched conductor, PVC insulation, and core twisted in layers, all encased in a PVC outer sheath in your chosen color. Key advantages lie in its space-saving design, thanks to small cable diameters, and exceptional performance due to short twisted conductor layers, ensuring efficient and reliable operations in diverse applications.



## POLYCORE CLASSIC 100 CY

- Our data and control cable is a powerhouse in the world of machinery and computer systems, catering to a wide array of applications from plant engineering to industrial machinery and heating-air conditioning systems. It seamlessly integrates into conveyors, transport systems, servo drives, and EMC-sensitive environments, offering robust performance and reliability. Its space-saving design, thanks to a small cable diameter, is complemented by its high electrical performance, proven by a rigorous 4KV test, ensuring stable and efficient operations in demanding environments.



## POLYCORE CLASSIC 100 SY

- Our cable is designed for demanding environments in plant engineering, industrial machinery, heating and air conditioning systems, and areas with high mechanical stress. It provides extra mechanical protection with its braided steel wire construction, ensuring durability and reliability in challenging conditions.



## POLYCORE CLASSIC 110 SY

- Our cables are the backbone of modern industrial systems, seamlessly integrating into plant engineering, industrial machinery, conveyors, transport systems, and heating-air conditioning setups. They are designed to handle the demanding environments of servo drives and EMC-sensitive areas, ensuring reliable data and control transmission. With a focus on space-saving designs and high electrical performance, these cables undergo rigorous 4KV testing to meet the toughest standards. Their composition, featuring bare copper wire bunched conductors, PVC insulation, tinned copper wire braids, and transparent PVC outer sheaths, guarantees flame retardancy, excellent chemical resistance, and minimal interference, making them ideal for critical applications where signal integrity is paramount.



## POLYCORE CLASSIC 110 CY

- Our cables are the backbone of modern industrial systems, seamlessly integrating into plant engineering, industrial machinery, conveyors, transport systems, and heating-air conditioning setups. They're designed to handle the demanding environments of servo drives and EMC-sensitive areas, ensuring reliable data and control transmission. With a focus on space-saving designs and high electrical performance, these cables undergo rigorous 4KV testing to meet the toughest standards. Their composition, featuring bare copper wire bunched conductors, PVC insulation, tinned copper wire braids, and transparent PVC outer sheaths, guarantees flame retardancy, excellent chemical resistance, and minimal interference, making them ideal for critical applications where signal integrity is paramount.



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