



POLYCAB

Connection Zindagi Ka



CP CABLES

Cathodic Protection Cables





ABOUT POLYCARB INDIA LIMITED

Polycab India Limited (formerly known as Polycab Wires Limited) has its roots in a humble electrical shop in Mumbai's Lohar Chawl. Guided by the vision of the founders- the Jaisinghani family, the small retail enterprise has transformed itself into a manufacturing powerhouse and a multi-product company with a Pan - India presence. The five decades old journey started with the manufacturing of Cables and Wires that has now expanded into a wide range of electrical products, wiring devices, LED Lighting, fans, Switches and small appliances under the umbrella brand Polycab. Polycab also exports to 40+ countries around the globe.

Polycab's mission is to connect customers and consumers with products and services that are designed to delight and help them lead happier, more fulfilling lives. Over the years the brand has built a formidable reputation for its high quality and superior customer service.

OUR DIFFERENTIATORS

International
Quality
Standards
compliance -
UL, CPR,
BASEC, IEC etc.

Electron-beam
cross-linking
facility at our
Halol factory
with in-house
compounding
facility

Management
System
Certifications -
ISO 45001: 2018,
ISO 14001 : 2015,
ISO 9001 : 2015

50 years
of extensive
experience
in the Cables
& Wires
Industry

Pan - India
& Global
Distribution
Network
& Exports
to 40+
countries

Experienced
Promoters &
Management
Team Leading
the Company

NABL
Accredited
Laboratory

Market
leader in
Cables & Wires
in India

Strong
R&D
capability



CATHODIC PROTECTION CABLES

The CP cable is used as direct earth burial DC feeder cable in cathodic protection systems to protect against corrosion of metallic objects such as storage tanks, pipelines, well casings and ocean vessels that are buried or submerged in water. Polycab with its endeavour in manufacturing specialised cables since last five decades has expertise and facilities to manufacture CP cables which are recognised with industry standards. The quality of cathodic protection cables is extremely important to achieve efficient cathodic protection system. The cables used for cathodic protection system must be highly corrosion resistant and capable of withstanding adverse environments to which they are exposed.

POLYCAB'S FLUORO CATHODIC PROTECTION CABLES

Fluoropolymer insulated HMWPE sheathed cables offer excellent abrasion resistance, mechanical properties (fatigue, creep, crushing and flexural strengths) and exceptional chemical resistance to variety of acids, bases and organic solvents.

Polycab is trusted supplier of CP Cables for most demanding direct burial applications. We can also customize the CP cables to meet the customer specifications with our array of different construction, sizes, colors lengths and labeling.

It offers a high operating temperature range and resistance to sun damage and moistures. With an outstanding dielectric strength, fire properties and weather ability properties the cables are highly durable.



0.6/1KV PVDF/HMWPE CATHODIC PROTECTION CABLE

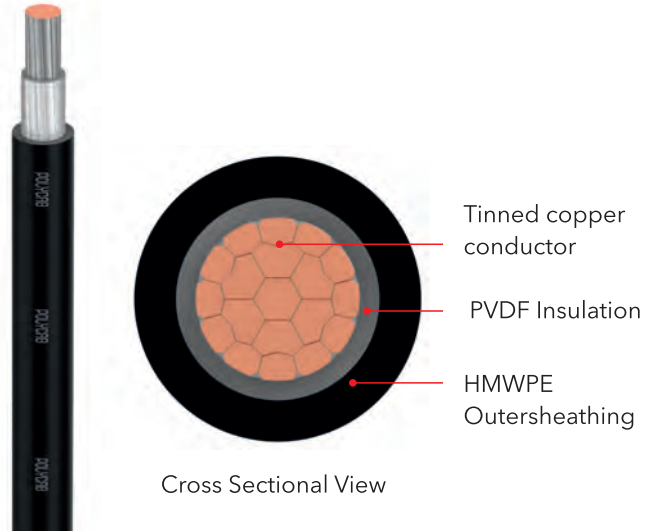
General Description

This specification covers tinned copper conductor, PVDF insulated, HMWPE outersheathed cables for the added protection against mechanical damage and corrosive gases.

The primary PVDF (Kynar) insulation provides first rate chemical resistance properties. The outer jacket of High Molecular Weight Polyethylene (HMWPE) provides an excellent abrasion resistance, mechanical strength etc

Applications

A direct earth burial, DC lead, cathodic protection cable for use in deep anode groundbed installations, designed to withstand corrosive gases. The cable can be directly installed in fresh, brackish, or salt water.



Reference standards

Generally as per ICEA-S-95-658 (NEMA WC 70) /Generally as per IEC 60502-1

Cable construction

Conductor: Annealed high conductivity tinned stranded copper conductor Class 2 confirming to ASTM B8/ IEC 60228

Insulation: Polyvinylidene Fluoride (PVDF)

Outersheathing: High molecular weight polyethylene (HMWPE), confirming to ASTM D 1248, Type 3, Class C, Category 5

Max. operating temperature: 90°C

Nominal Area of conductor	Max. conductor resistance	Insulation thickness (Nom.)	Thickness of outer sheath (min.)	Approx. Cable OD	Approx. Cable weight
(Sq.mm)	(Ohm/Km at 20°C)	(mm)	(mm)	(mm)	(Kg/Km)
4	4.7	0.51	1.65	7.5	65
6	3.11	0.51	1.65	8.0	89
10	1.84	0.51	1.65	9.0	128
16	1.16	0.51	1.65	9.5	185
25	0.734	0.51	1.65	10.5	270
35	0.529	0.51	1.65	11.5	356
50	0.391	0.51	1.65	13.0	465
70	0.270	0.76	1.65	15.0	674
95	0.195	0.76	1.65	16.5	902

0.6/1KV ECTFE/HMWPE CATHODIC PROTECTION CABLE

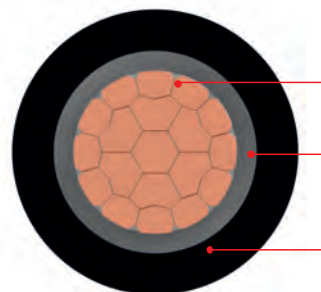
General Description

This specification covers tinned copper conductor, ECTFE insulated, HMWPE outersheathed cables for added protection against corrosive gases and brackish water.

The primary ECTFE (Halar) insulation provides exceptional chemical resistance properties. The outer jacket of High Molecular Weight Polyethylene (HMWPE) provides an excellent abrasion resistance, mechanical strength etc

Applications

A direct burial cable for use in cathodic protection deep well installations or other situations where resistance to chlorine gas is required.



Cross Sectional View

Reference standards

Generally as per ICEA-S-95-658 (NEMA WC 70) / Generally as per IEC 60502-1

Cable construction

Conductor: Annealed high conductivity tinned stranded copper conductor Class 2 confirming to ASTM B8/ IEC 60228

Insulation: Ethylene chlorotrifluoroethylene (ECTFE)

Outersheathing: High molecular weight polyethylene (HMWPE), confirming to ASTM D 1248, Type 3, Class C, Category 5

Max. operating temperature: 90°C

Nominal area of conductor	Max. conductor resistance	Insulation thickness (Nom.)	Thickness of outer sheath (min.)	Approx. Cable OD	Approx. Cable weight
(Sq.mm)	(Ohm/Km at 20°C)	(mm)	(mm)	(mm)	(Kg/Km)
4	4.7	0.51	1.65	7.5	64
6	3.11	0.51	1.65	8.0	83
10	1.84	0.51	1.65	9.0	121
16	1.16	0.51	1.65	9.5	171
25	0.734	0.51	1.65	10.5	252
35	0.529	0.51	1.65	11.5	337
50	0.391	0.51	1.65	12.5	441
70	0.270	0.76	1.65	15.0	630
95	0.195	0.76	1.65	16.5	855



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POLYCAB

Connection Zindagi Ka

Regional & Branch Offices:

EAST

BHUBANESWAR : A-167, Unit No. 102, First Floor, The Metropolis, Near Sparsh Hospital, Saheed Nagar, Bhubaneswar - 751007, Odisha. Tel. 0674 2549960

GUWAHATI : 4th Floor, Mayur Garden, Near ABC Bus Stop, G.S. Road, Guwahati - 781005, Assam, India.

KOLKATA : Unit No. 1108, 11th Floor, Godrej Genesis, Plot-XI, Block EP & GP Salt Lake, Sector - V, Kolkata - 700091.

PATNA : L-302, 303, Dumraon Palace, 3rd Floor, Fraser Road, Near Dakbangla Crossing, Patna - 800001.

RANCHI : Panchwati Tower Unit No. 3, Gr. Floor Harmu Road, Ranchi - 834001. Tel. 0651 2284040

NORTH

CHANDIGARH : S.C.O. 10-11-12, 1st Floor, Sec 17 B, Chandigarh - 160017. Tel. 0172 5001548, 49

LUCKNOW : Shalimar Square, Office No - 09, 126/31, B. N. Road, Lalbagh, Hazratganj, Lucknow - 226001. Tel. 0522 4022324

NOIDA : B9, 1st Floor Sector - 3, Near Bajaj Bhawan, Noida - 201301. Tel. 0120 4848550

DEHRADUN : 57 GDG Tower Adjoining Hotel Calista Patel Nagar Dehradun, Uttarakhand - 248001 Tel. 0135 2728758

JAIPUR : 501 & 502, 5th Floor, K.J City Tower, Plot No. E-2, Ashok Marg, Near Ahinsha Circle, C-Scheme, Jaipur, Rajasthan - 302001. Tel. 0141 2216097

WEST

AHMEDABAD : 102-1st Floor, Hrishikesh, Nr. IDBI Bank Cross Road, Gulbai Tekra, Ahmedabad - 380006. Tel. 079 26301655

INDORE : B-12, New Siyaganj, Patthar Godam Road, Indore - 452003. Tel. 0731 4033357

Corporate Office:

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Ph.: +91-22-2432 7070/4, 6735 1400, Email: enquiry@polycab.com, Toll Free No.: 1800 267 0008, www.polycab.com

WEST

PUNE : Off No. 36, Sangam Project Phase 2, Near RTO Pune, Near Sangam Bridge, Pune - 411001. Tel. 020 26058277

RAIPUR : 506, 5th Floor, Wallfort Ozone, Near Fafadih Chowk, Raipur - 492001, Tel. 0771 2582925, 4221686

NAGPUR : Shree Ganesh Enclave, Plot No. 12, 1st Floor, Near ST Stand, Ganeshpeth, Nagpur - 440018

SOUTH

KOCHI : 34/138 C, NH By-Pass Road, Edappally, Kochi - 682024. Tel. 0484 2803285

BENGALURU : B-78, No. 18, 4th Main Road, KSSIDC Industrial Estate, 6th Block, Rajajinagar, Bangalore - 560010. Tel. 080 23102172 / 8354

HUBLI : Shop No. 99 to 119, 4th floor, Satellite Complex, Koppikar Road, Hubli - 580020, Tel. 0836 4259866

COIMBATORE : Kaanchan, Gr. Floor, No. 9, North Huzur Road, Coimbatore - 641018. Tel. 0422 2305339

CHENNAI : Gee Gee Universal, 8th Floor, No. 2, Mc Nichols Road, 3rd Lane, Near Metha Hospital, Chetpet, Chennai - 600 031. Tel. 044 42817272

SECUNDERABAD : 208-209, 2nd Floor Bhuvana Towers, S. D. Road, Secunderabad - 500003, Tel. 040 66326228

VIJAYAWADA : Plot No. 77, House No. 40-5/7-6, 3rd Cross, Municipal Employees Colony, Vijayawada - 520010. Tel. 0866 6601666

VISAKHAPATNAM : 3rd Floor, Krishna Enclave, Seethammapeta Main Road, Visakhapatnam - 530016.