



● Introduction

0.6/1kV LV XLPE or EPR Insulated Power and Control Marine Cables are specialized cables designed for use in marine environments. These cables are used to transmit electrical power and signals for control systems on ships, offshore platforms, and other marine applications. The cables are insulated with either Cross-Linked Polyethylene (XLPE) or Ethylene Propylene Rubber (EPR), both of which are known for their excellent electrical properties and resistance to harsh marine conditions.

● Application

Suitable for the transmission of low-voltage electricity in various water buildings such as warships, river and sea ships and offshore oil platforms.

● Construction

1. Conductor: copper wire or tinned copper wire
2. Insulation: XLPE or EPR
XLPE provides high-temperature resistance, good electrical properties, and mechanical strength.
EPR offers excellent flexibility, good electrical insulation properties, and resistance to moisture and chemicals.
3. Filler
4. Binder tape
5. Armour (optional): tinned copper wire braid, or galvanized steel wires braid, or aluminum alloy wire braid
6. Outer sheath: PVC, or PE, or XLPO, or chloroprene rubber

● Specification

- IEC 60092-350, IEC 60092-353, IEC60092-360, IEC60228
- Flame Retardant: According to IEC 60332-1 & IEC 60332-3-24 or IEC 60332-3-22
- Fire Resistant: According to IEC 60331
- Low Smoke Emission: According to IEC 61034-1 and -2
- Halogen Free: According to IEC60754-1 and -2

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Cross Section Area of Conductor	No. of Cores							Insulation Thickness			
								0.6/1kV		1.8/3kV	
	mm ²							XLPE	EPR	XLPE	EPR
1	1	2	3	4	5	6+	0.7	1.0	2.0	2.2	
1.5	1	2	3	4	5	6+	0.7	1.0	2.0	2.2	
2.5	1	2	3	4	5	6+	0.7	1.0	2.0	2.2	
4	1	2	3	4	5	-	0.7	1.0	2.0	2.2	
6	1	2	3	4	5	-	0.7	1.0	2.0	2.2	
10	1	2	3	4	5	-	0.7	1.0	2.0	2.2	
16	1	2	3	4	5	-	0.7	1.0	2.0	2.2	
25	1	2	3	4	-	-	0.9	1.2	2.0	2.2	
35	1	2	3	4	-	-	0.9	1.2	2.0	2.2	
50	1	2	3	4	-	-	1.0	1.4	2.0	2.2	
70	1	2	3	-	-	-	1.1	1.4	2.0	2.2	
95	1	2	3	-	-	-	1.1	1.6	2.0	2.4	
120	1	2	3	-	-	-	1.2	1.6	2.0	2.4	
150	1	-	3	-	-	-	1.4	1.8	2.0	2.4	
185	1	-	3	-	-	-	1.6	2.0	2.0	2.4	
240	1	-	-	-	-	-	1.7	2.2	2.0	2.4	
300	1	-	-	-	-	-	1.8	2.4	2.0	2.4	