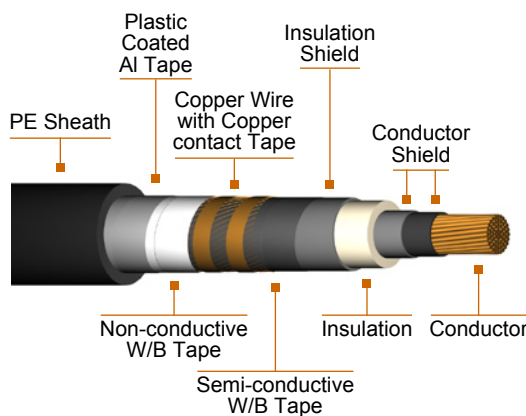


115 kV E-HXLP

Extra High Voltage Cross-linked Polyethylene Single Core Cable 115 kV, Copper Conductor with Copper Wire Shield



Detail Description or Construction

Conductor

Compact round stranded copper.

Conductor Shield

Semi-conducting tape and extruded semi-conducting cross-linked polyethylene.

Insulation

Cross-linked polyethylene.

Insulation Shield

Semi-conducting cross-linked polyethylene.

Synthetic water blocking layer

Semi-conducting water blocking tape.

Shield

Annealed copper wire with copper contact tape.

Synthetic water blocking layer

Non-conductive water blocking tape.

Radial water barrier

Copolymer-coated Aluminum tape

Sheath

Black polyethylene (ST 7)
(Optional: Polyvinyl chloride)

Application

Preferably used for urban networks. Suitable for use in duct, trays and direct burial in ground, subjected to immerse in water all the time.

Standards / Testing Specifications

- IEC 60840.

Marking

115 KV EHXLP SIZE SQ.MM.,
PHELPS DODGE.

Installation

E-HXLP cable can be installed in aerial, direct burial, conduit, open tray, underground duct and subjected to immerse in water all the time. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safe guarding of persons and the integrity of the product will not be affected by deficiencies in the installation.



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Nominal Sectional Area	Minimum Number of Wire	Diameter of Conductor (approx)	Thickness of Cdr. Screen	Thickness of Insulation	Thickness of Ins. Screen	Nominal Sectional Area of Wire Shield	Thickness of Sheath	Overall Diameter (approx)	Maximum DC. Resistance of Cdr. @ 20°C	Electrostatic Capacitance (Nominal)	Ampacity Direct Burial @ 30°C (flat)**	Cable Weight (approx)	Standard Packing
mm ²		mm	mm	mm	mm	mm ²	mm	mm	Ω / km	μF / km	A	kg / km	m / reel
400	53	23.4	1.5	16	1.5	150	3.2	78	0.0470	0.163	610	8300	500
500	53	26.7	1.5	16	1.5	150	3.3	82	0.0366	0.177	700	9450	500
630	53	30.0	1.5	16	1.5	150	3.4	85	0.0283	0.191	790	10870	500
800	53	34.0	1.5	16	1.5	150	3.5	89	0.0221	0.208	890	12780	500
1000	53	40.0	1.5	16	1.5	150	3.8	96	0.0176	0.232	1050	15090	500
1200	-	43.0	1.5	16	1.5	150	4.0	100	0.0151	0.247	1130	17080	500

** Depth of laying in ground = 1.3 m, RHO 1.2 °C-m/W, spacing between cable = 2 x cable overall diameter.