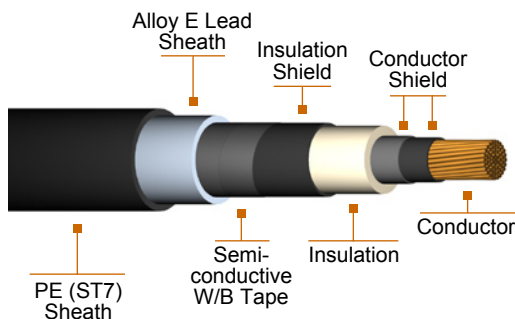


## 115 kV E-HXLP-LS

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



### 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 and radial water barrier

Alloy E Lead

#### 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-LS SIZE SQ.MM.,  
PHELPS DODGE.

### Installation

E-HXLP-LS 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	Thickness of Lead Sheath	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 <sup>2</sup>		mm	mm	mm	mm	mm	mm	mm	Ω / km	μF / km	A	kg / km	m / reel
400	53	23.4	1.5	16	1.5	2	3.3	77	0.047	0.163	610	11,430	500
500	53	26.7	1.5	16	1.5	2	3.4	80	0.0366	0.177	700	12,760	500
630	53	30	1.5	16	1.5	2	3.5	84	0.0283	0.191	790	14,400	500
800	53	34	1.5	16	1.5	2.1	3.6	89	0.0221	0.208	900	16,930	500
1000	53	40	1.5	16	1.5	2.2	3.7	95	0.0176	0.232	1,060	19,930	500
1200	-	43	1.5	16	1.5	2.4	3.8	100	0.0151	0.247	1,140	22,850	500

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