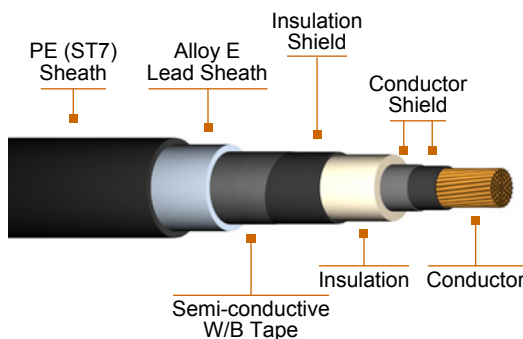


69 kV E-HXLP-LS

Extra High Voltage Cross-linked Polyethylene Single Core Cable 69 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

69 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 ²		mm	mm	mm	mm	mm	mm	mm	Ω / km	μF / km	A	kg / km	m / reel
240	34	18.5	1.5	11	1.5	2.0	2.9	61	0.0754	0.184	470	7670	500
300	34	20.7	1.5	11	1.5	2.0	3.0	63	0.0601	0.198	540	8460	500
400	53	23.4	1.5	11	1.5	2.0	3.0	66	0.0470	0.214	610	9720	500
500	53	26.7	1.5	11	1.5	2.0	3.2	70	0.0366	0.232	700	11020	500
630	53	30.0	1.5	11	1.5	2.0	3.3	73	0.0283	0.253	800	12610	500
800	53	34.0	1.5	11	1.5	2.0	3.4	79	0.0221	0.277	900	14780	500
1000	53	40.0	1.5	11	1.5	2.0	3.5	84	0.0176	0.312	1060	17340	500
1200	-	43.0	1.5	11	1.5	2.1	3.6	89	0.0151	0.334	1150	19790	500

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