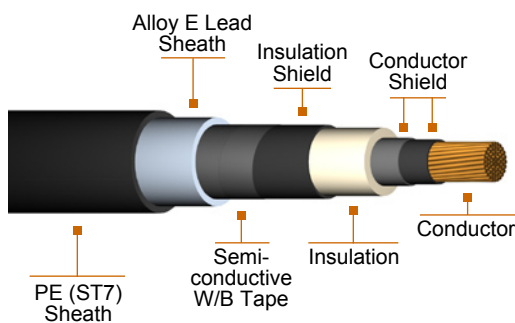


138 kV E-HXLP-LS

Extra High Voltage Cross-linked Polyethylene Single Core Cable 138 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

138 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
400	53	23.4	1.5	18.0	1.5	2.0	3.4	81	0.0470	0.1500	610	12040	500
500	53	26.7	1.5	18.0	1.5	2.0	3.5	84	0.0366	0.1630	695	13480	500
630	53	30.0	1.5	18.0	1.5	2.1	3.6	89	0.0283	0.1750	795	15550	500
800	53	34.0	1.5	18.0	1.5	2.2	3.8	94	0.0221	0.1900	895	18070	500
1000	53	40.0	1.5	18.0	1.5	2.4	4.0	99	0.0176	0.2110	995	21570	500
1200	-	43.0	1.5	18.0	1.5	2.5	4.0	104	0.0151	0.2230	1150	24030	500

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