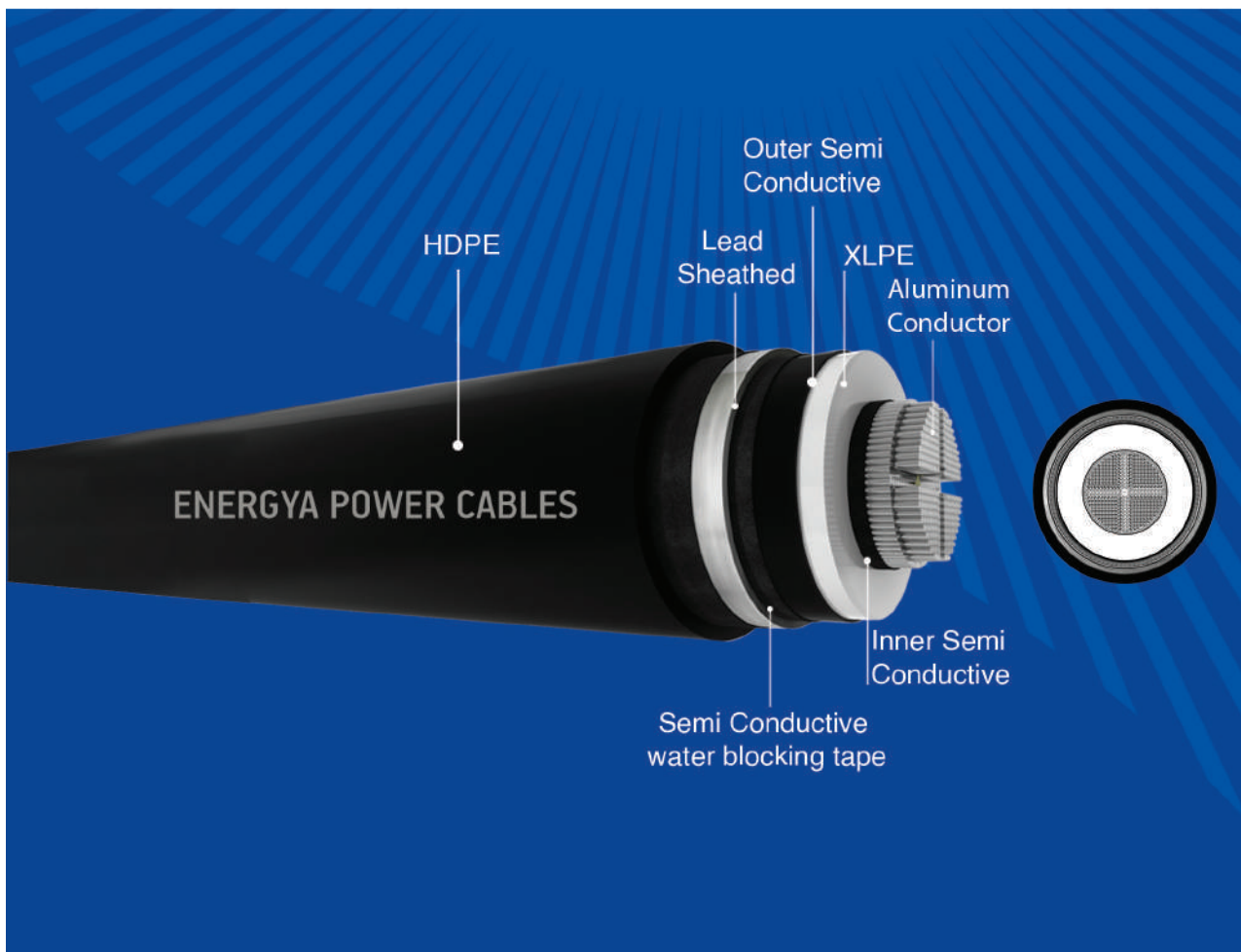


EXTRA HIGH VOLTAGE CABLES

127 / 220 (245) kV



Single Core Aluminum Conductor, XLPE insulated, Lead Sheathed and HDPE Sheathed.

Description

- Stranded circular or segmental compacted Aluminum conductor, semi-conducting layer as a non conductor screen, XLPE insulated, semi-conducting layer as a non metallic insulation screen, semi conductive water blocking tape to protect, the screen area from longitudinal water penetration, lead sheathed with suitable thickness to withstand the required earth fault current and HDPE sheathed with graphite coating or extruded semi-conducting layer.
- Cables are designed and tested to comply with IEC 60228, IEC 62067, IEC 60811.

Cable Construction

Products Code	Conductor		Thickness of Conductor Screen	Thickness of Insulation	Thickness of Insulation Screen	Lead Thickness	Thickness of Outer Sheath	Approx. Outer Diameter of Cable	Approx. Weight of Cable	Max. DC Conductor Resistance at 20°C	Capacitance
	Cross Sectional Area	Shape									
	mm ²		mm	mm	mm	mm	mm	mm	kg/km	Ω/km	l/f/km
RT70B801LX	800 R	Round	1.5	22	1.5	3.5	4	104.4	20140	0.0367	0.185
RZ80B801LX	1000 S	Segmental Stranded(S) (Milliken)	1.5	22	1.5	3.5	4.0	111.0	22250	0.0291	0.204
RZ81B801LX	1200 S		1.5	22	1.5	3.5	4.5	115.0	23195	0.0247	0.22
RZ83B801LX	1600 S		1.5	22	1.5	3.5	4.5	122.0	26095	0.0186	0.237
RZ85B801LX	2000 S		1.5	22	1.5	3.5	5.0	128.0	28000	0.0149	0.257

Cables Current Carrying Capacity

Continuous Current Ratings Load Factor = 100% for one circuit in operation (Amperes)											
Laying conditions: trefoil formation						Laying condition: flat formation					
Type of Earthing Bonding System	Cross Sectional Area	Direct burial		In air (shaded)		Type of Earthing Bonding System	Cross Sectional Area	Direct burial		In air (shaded)	
		mm ²	pT=120 T = 25 °C	pT=150 T = 35 °C	T = 30 °C			T = 40 °C	mm ²	pT=120 T = 25 °C	pT=150 T = 35 °C
Cross Bonding	800 R	700	586	1050	949	Cross Bonding	800 R	751	631	1163	1054
	1000 S	810	677	1253	1132		1000 S	869	727	1393	1262
	1200 S	879	733	1370	1237		1200 S	967	810	1525	1382
	1600 S	1015	844	1630	1472		1600 S	1122	938	1831	1658
	2000 S	1124	934	1814	1662		2000 S	1252	1045	2082	1885

The above data is approximate and subjected to manufacturing tolerance.

R: Round
S: Segmental

