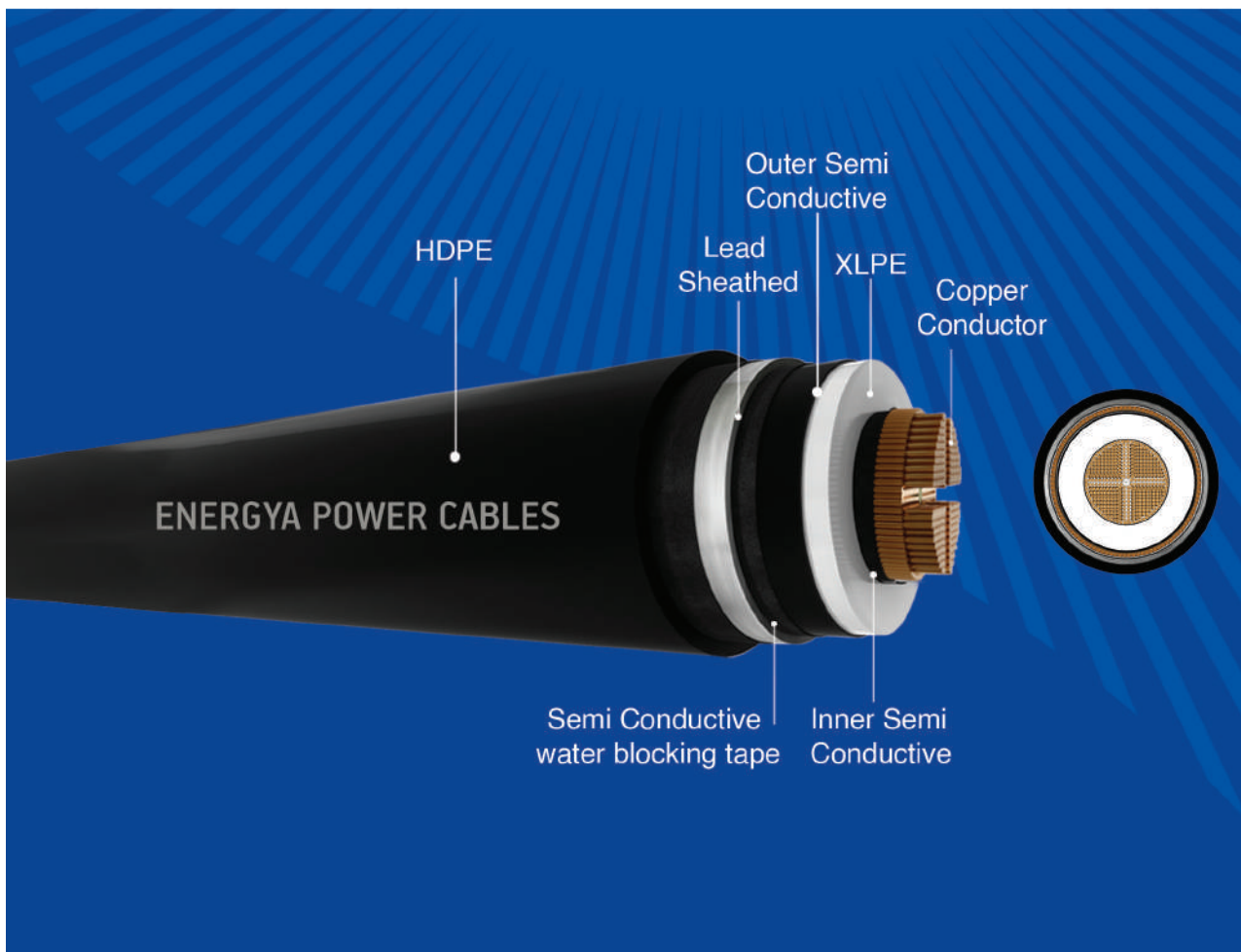


EXTRA HIGH VOLTAGE CABLES

127 / 220 (245) kV



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

Description

- Stranded circular or segmental compacted copper 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										
RT70B801LX	800 R	Round	1.5	22	1.5	3.5	4	104.4	24565	0.0221	0.185
RZ80B801LX	1000 S	Segmental Stranded(S) (Milliken)	1.5	22	1.5	3.5	4.0	111.0	28100	0.0176	0.204
RZ81B801LX	1200 S		1.5	22	1.5	3.5	4.5	116.0	30400	0.0151	0.220
RZ83B801LX	1600 S		1.5	22	1.5	3.5	4.5	122.0	35000	0.0113	0.237
RZ85B801LX	2000 S		1.5	22	1.5	3.5	5.0	128.0	40200	0.0090	0.257
RZ86B801LX	2500 S		1.5	22	1.5	4	5.0	136.0	47000	0.0072	0.285

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	864	723	1293	1168	Cross Bonding	800 R	935	785	1462	1324
	1000 S	980	810	1410	1300		1000 S	1080	860	1710	1520
	1200 S	1048	873	1639	1480		1200 S	1132	947	1838	1665
	1600 S	1155	960	1862	1681		1600 S	1259	1050	2230	2010
	2000 S	1240	1031	2038	1841		2000 S	1352	1127	2341	2120
	2500 S	1300	1080	2190	1978		2500 S	1426	1187	2622	2370

• The above data is approximate and subjected to manufacturing tolerance.

R: Round
S: Segmental

