



# 69 kV CE

### 1 CORE - CROSSLINKED POLYETHYLENE POWER CABLE



## Construction

6. Metallic screen

7. Water blocking and : Non-conductive water blocking tape

Cushioning tape

### Classification

## Application

Preferably laid in substations, factories and urban area. The cable

	Conduct	tor	Thickness	Thickness	Diameter	Thickness	Area	Thickness	Overall	DC.	Capacitance	Current	Cable	Standard
Cross-	No.	Diameter	of	of	over	of	of	of	diameter	Conductor		rating	weight	length
sectional	of		conductor	insulation	insulation	insulation	metallic	sheath	(Excluding	resistance		direct	(Excluding	
area	wires		screen			screen	screen*		Rib)	at 20°C		burial in	Rib)	
												ground		
												at 30°C		
mm <sup>2</sup>		mm	mm	mm	mm	mm	mm <sup>2</sup>	mm	mm	$\Omega$ /km	μF/km	А	kg/km	m/drum
	(Min.)	(Approx.)	(Nominal)	(Nominal)	(Approx.)	(Nominal)		(Nominal)	(Approx.)	(Max.)	(Nominal)		(Approx.)	
400	53	23.39	1.5	11.0	49.4	1.5	120	3.5	68	0.0470	0.222	690	7,260	500
500	53	26.67	1.5	11.0	52.6	1.5	120	3.5	72	0.0366	0.246	790	8,440	500
630	53	30.22	1.5	11.0	56.2	1.5	120	3.5	75	0.0283	0.269	900	9,960	300
800	53	34.00	1.5	11.0	60.0	1.5	120	3.5	79	0.0221	0.292	1010	11,790	300

<sup>\*</sup> The area of metallic screen can be designed upon request by not less than 95 mm<sup>2</sup>





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Conductor	AC Resistance of	Inductance	Reactance	Impedance
cross-	conductor at 90 °C			
sectional				
area				
mm <sup>2</sup>	$\Omega$ /km	mH/km	$\Omega$ /km	$\Omega$ /km
mm <sup>2</sup>	$\Omega$ /km (Approx.)	mH/km (Approx.)	$\Omega$ /km (Approx.)	$\Omega$ /km (Approx.)
mm <sup>2</sup>				
	(Approx.)	(Approx.)	(Approx.)	(Approx.)
400	(Approx.) 0.0614	(Approx.) 0.587	(Approx.) 0.184	(Approx.) 0.194

<sup>\*</sup> The area of metallic screen can be designed upon request by not less than 95 mm<sup>2</sup>