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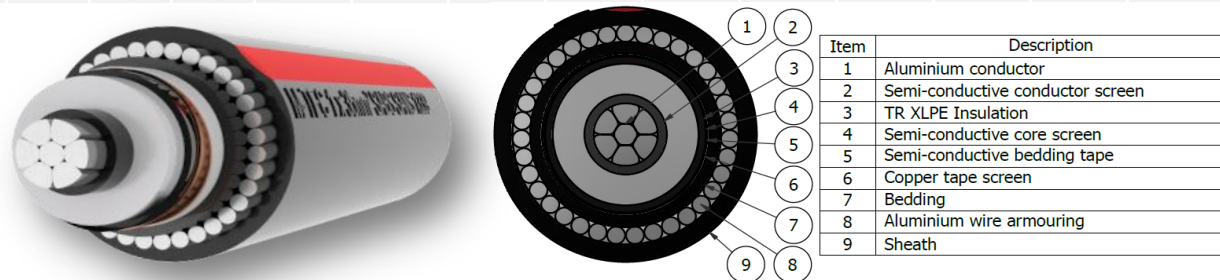
Single Core Aluminium, XLPE Insulated, Cu tape screened, FRPVC / LHFRPVC. (Type A) armoured.	
SIZE CODE:	XLA 1x(conductor size)FR / LH 33kV
Application For use in power circuits of 19/33kV systems. Installed in cable trays and ducts.	

Specification: SANS 1339
Voltage Rating: 19/33kV

Construction
Single core, Circular Aluminum Stranded Conductor (water blocked), XLPE Insulated, copper tape screened, flame retardant PVC / lowhallogen flame retardant PVC sheathed.

Physical properties and dimensions											Electrical Properties									
Conductor size	Conductor diameter	Insulation diameter	Insulation thickness	Cable diameter	Armour			Cable mass	Gross mass (500m)	Bending radius	Current rating			Resistance		Reactance	Impedance	Capacitance	Short circuit ratings	
					diameter	wire diameter	total area							$\Omega/\text{km max}$					Symmetrical	Earth fault
					mm ² Nom.	mm Nom.	mm Nom.				mm Nom.	mm Nom.	mm ² Min.	kg/m Nom.	kg Nom.	mm min.	air	ground		
50	8.2	27.8	8.0	41.1	35.4	2.00	179.1	2.00	1,349	1028	165	145	116	0.641	0.822	0.168	0.839	0.144	4.1	17.3
70	9.9	29.5	8.0	42.8	37.1	2.00	179.1	2.15	1,524	1070	205	175	140	0.443	0.568	0.158	0.590	0.159	5.9	17.3
95	11.8	31.4	8.0	44.9	39.0	2.00	179.1	2.27	1,584	1122	245	210	168	0.320	0.411	0.143	0.435	0.177	8.2	17.3
120	13.1	32.7	8.0	46.2	40.3	2.00	185.4	2.50	1,798	1154	280	240	192	0.253	0.325	0.143	0.355	0.189	10.4	17.9
150	14.8	34.4	8.0	49.3	43.2	2.50	279.8	2.97	2,036	1232	315	265	212	0.206	0.265	0.139	0.299	0.204	12.8	27.0
185	16.3	35.9	8.0	51.0	44.7	2.50	279.8	3.18	2,142	1276	360	300	240	0.164	0.211	0.134	0.250	0.218	16.0	27.0
240	18.9	38.5	8.0	53.6	47.3	2.50	279.8	3.45	2,276	1340	415	345	276	0.125	0.162	0.128	0.206	0.204	21.0	27.0
300	21.2	40.8	8.0	56.3	49.8	2.50	279.8	3.81	2,554	1407	470	386	309	0.100	0.129	0.125	0.180	0.261	26.3	27.0
400	23.9	43.5	8.0	59.2	52.5	2.50	289.6	4.25	2,974	1480	620	510	408	0.0778	0.101	0.119	0.156	0.285	33.8	28.0
500	27.2	46.8	8.0	62.9	56.0	2.50	309.3	4.85	3,273	1573	780	635	508	0.0605	0.081	0.118	0.144	0.314	43.4	29.9
630	31.2	50.8	8.0	67.1	60.0	2.50	328.9	5.55	3,727	1678	975	805	644	0.0469	0.065	0.113	0.130	0.350	56.0	31.8

Cable Identification:
FRPVC (red stripe), LHFRPVC (blue stripe),
LSZH / HFFR (white stripe), PE (no stripe).



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