

3 Core	
Copper, XLPE Insulated, FRPVC / LHFRPVC (Type B) Unarmoured	
SIZE CODE:	XLUA3 x(conductor size) FR / LH 11kV

Application
For use in power circuits of 6.35/11kV earthed systems. Installed in cable trays and ducts.

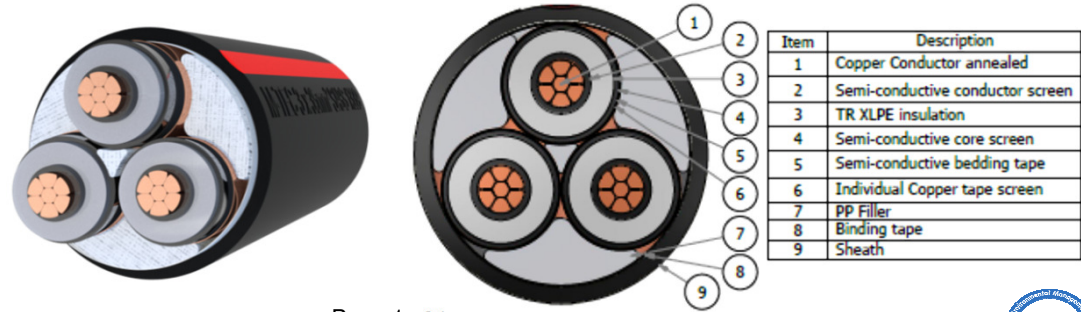
Construction
3 Core, circular Copper stranded conductor, XLPE insulated, individually copper tape screened, flame retardant / low halogen flame retardant PVC sheathed.

Specification: SANS 1339
Voltage Rating: 6.35/11kV

Physical properties and dimensions							Electrical Properties										
Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass (300m)	Bending radius	Current rating			Resistance Ω/km max	Reactance	Impedance	Capacitance	Short circuit ratings			
														Symmetrical	Max. Earth fault		
							air	ground	ducts	dc @ 20°C	ac @ 90°C	Ω/km	Ω/km			μF/km	kA (1sec)
25	6.1	16.2	43.2	2.3	1 054	518	138	130	116	0.727	0.927	0.133	0.937	0.201	3.4	1.0	
35	7.2	17.3	45.7	2.8	1 191	549	166	158	140	0.524	0.668	0.126	0.680	0.236	4.7	1.0	
50	8.3	18.4	48.3	3.3	1 330	580	209	195	167	0.387	0.494	0.118	0.508	0.259	6.4	1.0	
70	10.0	20.1	52.2	4.1	1 676	626	257	237	200	0.268	0.342	0.111	0.360	0.293	9.3	1.0	
95	11.8	21.9	55.7	4.8	1 896	669	314	279	237	0.193	0.247	0.106	0.269	0.334	12.9	1.0	
120	13.1	23.2	58.8	5.7	2 259	705	356	316	270	0.153	0.196	0.101	0.221	0.360	16.2	1.0	
150	14.8	24.9	62.6	6.7	2 562	752	409	353	307	0.124	0.159	0.096	0.186	0.395	20.0	1.0	
185	16.4	26.5	66.2	8.0	2 938	794	466	400	344	0.099	0.128	0.094	0.159	0.422	25.1	1.0	
240	18.9	29.0	71.9	9.8	3 495	863	409	353	307	0.075	0.098	0.090	0.134	16.400	20.0	1.0	
300	21.2	31.3	77.3	11.8	4 090	927	466	400	344	0.060	0.080	0.087	0.118	17.900	25.1	1.0	

Cable Identification:

FRPVC (red stripe), LHFRPVC (blue stripe), HFFR (white stripe), PE (no stripe).



Note: Under ground installation is only permitted if the cable is adequately protected against mechanical damage.

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