

Single Core
Aluminium, XLPE Insulated, Unarmoured, FRPVC / LHFRPVC / HFFR / MDPE Sheathed (Type B).

SIZE CODE | XLAUA 1x(Conductor size)FR / LH / HFFR / MDPE 6.6kV

Application:
For use in power circuit systems of 3.8 / 6.6kV. Installed in Cable trays and Ducts.

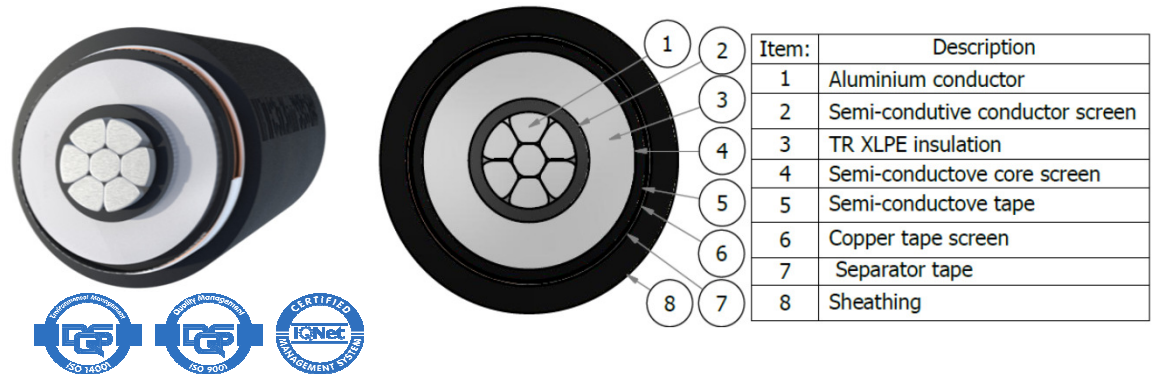
Construction
1 Core, Circular Stranded Aluminium Conductor, XLPE Insulated, copper tape screened, fire retardant / low halogen flame retardant PVC / Halohen free flame retardant / MDPE sheathed

Voltage Rating: 3.8 / 6.6kV
Specification: SANS 1339

Physical properties and dimensions | **Electrical Properties**

Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass 1000m	Bending radius	Current rating Trefoil			Resistance Ω/km max		Reactance Ω/km	Impedance Ω/km	Capacitance μF/km	Short circuit	
							A	dc @ 20°C	ac @ 90°C	Symmetrical	Max, earth fault rating					
															air	ground
50	8.2	17.0	22	0.7	927	436	195	160	128	0.641	0.822	0.127	0.832	0.334	4.0	1.0
70	10.0	19.0	22	0.7	1,018	440	240	195	156	0.443	0.568	0.115	0.580	0.380	5.8	1.0
95	11.8	21.0	26	0.9	1,182	511	290	240	192	0.320	0.410	0.114	0.426	0.430	8.0	1.0
120	13.1	22.0	27	1.1	1,326	541	330	265	212	0.253	0.324	0.108	0.342	0.465	10.2	1.0
150	14.4	24.0	29	1.1	1,364	575	375	195	156	0.206	0.264	0.106	0.285	0.494	12.5	1.0
185	16.4	25.5	30	1.2	1,543	606	425	330	264	0.164	0.210	0.101	0.233	0.540	15.7	1.0
240	18.9	29.0	33	1.5	1,776	657	490	380	304	0.125	0.160	0.097	0.187	0.306	20.6	1.0
300	21.2	30.0	35	1.9	2,222	703	560	420	336	0.100	0.128	0.094	0.159	0.312	25.7	1.0
400	23.9	33.0	38	2.0	2,322	757	635	470	376	0.078	0.100	0.084	0.130	0.220	33.1	1.0
500	27.2	37.0	41	2.4	2,723	823	730	530	424	0.061	0.078	0.081	0.112	0.217	42.5	1.0
630	31.2	41.0	45	2.9	3,234	903	830	590	472	0.047	0.060	0.079	0.099	0.185	55.0	1.0

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



Note: Under ground installation is only permitted if the cable is adequately protected against mechanical damage.
Revision: R01 29/02/2016

