

4 Core 90° Shaped copper, XLPE silane, HFFR, SWA, HFFR.

Application:

For use in power circuits of 600 / 1 000V earthed systems. Installed in cable trays, ducts and underground, in buildings or mines.

Construction:

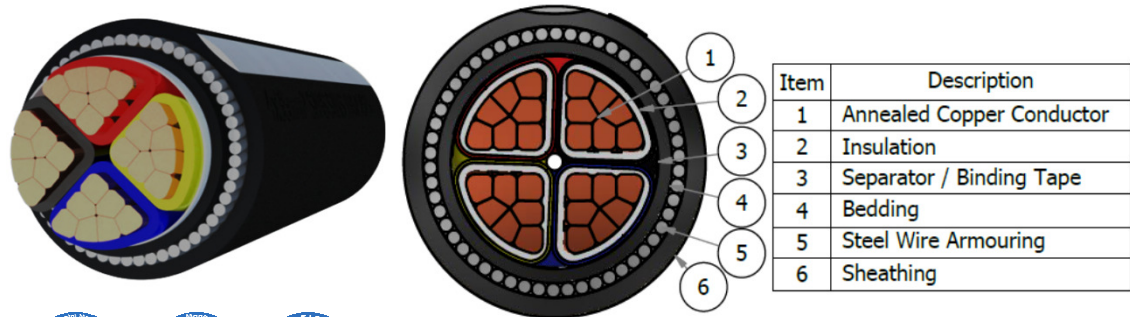
4 Core, Copper stranded sector shaped conductor, XLPE silane insulated, HFFR bedding, steel wire armoured and HFFR sheath.

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-5

SIZE CODE		CPX 4x(conductor size)ZH 1kV																		
Conductor size	Conductor depth	Insulation depth	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		3 Phase volt drop	
									Amps	Ω/km max	Ω /km		μF/km	Symmetrical			Earth fault			
																		air		ground
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	300m Nom.	mm min.												
25	5.7	8.2	22	24.1	28	2.2	816	276	135	140	115	0.068	0.727	0.962	0.965	0.619	2.9	3.3	1.67	
35	6.7	8.6	23	25.7	29	2.4	879	294	165	169	139	0.073	0.524	0.669	0.673	0.911	4.0	4.3	1.16	
50	7.8	9.8	25	28.6	32	3.0	1,063	323	199	201	165	0.068	0.387	0.497	0.502	0.974	5.4	4.9	0.86	
70	9.4	11.7	30	34.1	38	4.4	1,489	382	253	247	204	0.072	0.268	0.350	0.358	1.031	7.8	7.1	0.61	
95	11.1	13.3	34	37.8	42	5.6	1,863	423	312	299	246	0.070	0.193	0.264	0.273	1.224	10.9	8.0	0.46	
120	12.5	14.9	37	41.5	46	6.8	2,246	464	361	340	280	0.067	0.153	0.223	0.233	1.265	13.7	8.9	0.39	
150	14.0	17.0	42	47.3	52	8.7	2,798	522	403	374	312	0.066	0.124	0.193	0.204	1.145	16.9	12.6	0.33	
185	15.6	19.0	47	51.9	57	10.5	3,346	572	463	422	353	0.068	0.099	0.168	0.181	1.127	21.2	14.0	0.29	
*240	18.9	22.5	58	62.6	69	14.0	4,389	687	544	487	407	0.066	0.075	0.153	0.167	1.275	27.8	17.6	0.27	
*300	21.2	25.0	64	69.9	76	17.7	5,511	761	616	543	455	0.068	0.060	0.132	0.149	1.348	34.9	24.4	0.23	

*Note: these cables are manufactured with circular conductors.



Revision: R02 26/1/2015