

## 4 Core

90° Shaped Copper, PVC, LHFRPVC, non-armoured cable.

### Application:

For use in power circuits of 600/1 000V earthed systems. Installed in cable trays & ducts.

### Construction:

4 Core, Copper stranded sector shaped conductor, PVC insulated, LHFRPVC sheath.

Voltage Rating: 600/1 000V

Specification: SANS 1507-3

SIZE CODE		CPUA 4x(conductor size)LH 1kV															
Conductor size	Conductor depth	Insulation depth	Cable diameter	Cable mass	Cable gross mass	Bending radius	Maximum pulling force on conductors combined	Current rating			Reactance	Resistance		Impedance	Capacitance	Symmetrical short circuit rating	3 Phase volt drop
								air	ground	ducts		Ω/km	Ω/km max				
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	300m Nom.	mm min.	N	air	ground	ducts	Ω /km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m
25	5.7	8.2	23	1.3	539	230	441	128	119	96	0.088	0.727	0.870	0.875	0.613	2.9	1.51
35	6.7	9.2	26	1.7	667	256	618	156	143	116	0.085	0.524	0.627	0.633	0.711	4.0	1.09
50	7.8	10.6	29	2.3	836	290	883	189	169	138	0.085	0.387	0.466	0.474	0.705	5.4	0.81
70	9.4	12.3	33	3.1	1,123	328	1,236	237	210	171	0.082	0.268	0.329	0.339	0.834	7.8	0.57
95	11.1	14.3	38	4.3	1,476	379	1,677	293	251	205	0.078	0.193	0.247	0.259	0.855	10.9	0.43
120	12.5	15.7	41	5.3	1,796	412	2,118	338	285	234	0.077	0.153	0.209	0.222	0.950	13.7	0.36
150	14.0	17.6	46	6.6	2,169	459	2,648	384	320	263	0.077	0.124	0.181	0.197	0.947	16.9	0.31
185	15.6	19.7	51	8.2	2,898	510	3,266	445	361	298	0.077	0.099	0.157	0.175	0.950	21.2	0.27
240*	18.9	23.4	63	11.4	3,840	631	4,237	525	416	344	0.072	0.075	0.145	0.162	1.036	34.6	0.25
300*	21.2	26.1	71	14.2	4,706	705	5,296	598	465	385	0.071	0.060	0.128	0.146	1.063	43.4	0.22

### Cable Identification:

FRPVC (red stripe), LHFRPVC (blue stripe), HFFR (white stripe).

Note: \* these cables are manufactured with circular conductors.



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Separator / binding tape
4	Sheathing