

3 Core 120° Shaped Copper, PVC, LHFRPVC, non-armoured cable.

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

Construction:
3 Core, Copper stranded sector shaped conductor, PVC insulated, LHFRPVC sheath.

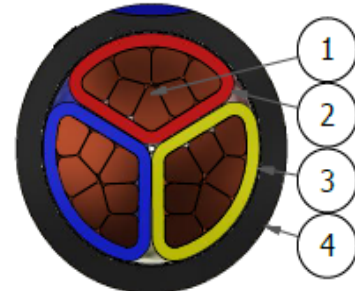
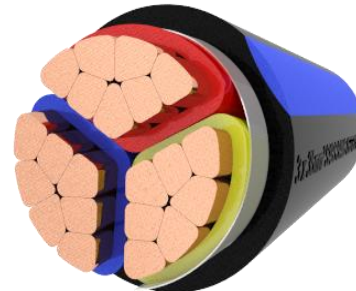
Voltage Rating: 600/1 000V
Specification: SANS 1507-3

SIZE CODE | CPUA 3x(conductor size)LH 1kV

Conductor size	Conductor depth	Insulation depth	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Symmetrical short circuit rating	3 Phase volt drop
							Amps				Ω/km max					
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	300m Nom.	mm min.	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	20	1.0	457	199	128	119	96	0.088	0.727	0.870	0.875	0.613	2.9	1.51
35	6.7	9.2	22	1.3	549	218	156	143	116	0.085	0.524	0.627	0.633	0.711	4.0	1.09
50	7.8	10.6	26	1.8	684	261	189	169	138	0.085	0.387	0.466	0.474	0.705	5.4	0.81
70	9.4	12.3	28	2.4	910	281	237	210	171	0.082	0.268	0.329	0.339	0.834	7.8	0.57
95	11.1	14.3	32	4.2	1 430	320	293	251	205	0.078	0.193	0.247	0.259	0.855	10.9	0.43
120	12.5	15.7	34	3.9	1 378	337	338	285	234	0.077	0.153	0.209	0.222	0.950	13.7	0.36
150	14.0	17.6	37	4.8	1 639	367	384	320	263	0.077	0.124	0.181	0.197	0.947	16.9	0.31
185	15.6	19.7	42	5.9	2 214	424	445	361	298	0.074	0.099	0.157	0.173	0.950	21.2	0.27

Cable Identification:
FRPVC (red stripe), LHFRPVC (blue stripe), HFFR (white stripe).

Note: Underground installations are only permitted if the cable is adequately protected against mechanical damages and excessive radial forces.



Item	Description
1	Annealed Copper Conductor
2	Insulation
3	Separator / Binding Tape
4	Sheathing

Revision: R00 18/10/2018

