



Single core flexible
Circular Copper, PVC.

Application:

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

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

Construction:

Single core, Copper bunched / stranded circular conductor (Class 5), PVC Insulated,.

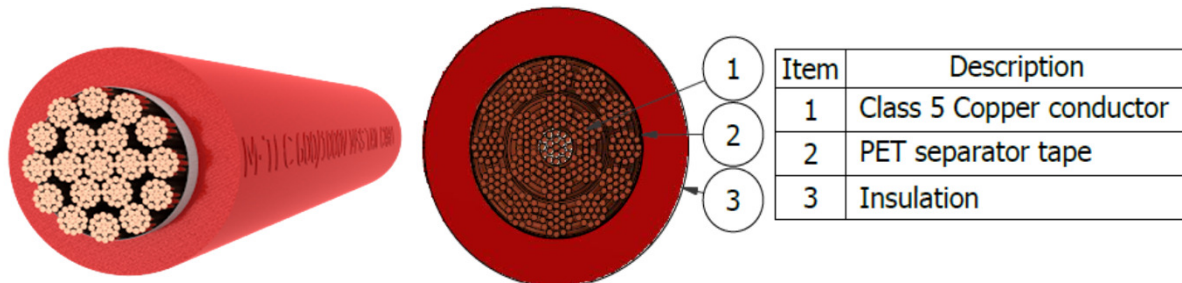
SIZE CODE

LVCPT 1x(conductor size)(COLOUR) 1kV

Conductor size	Conductor diameter	Insulation diameter	Cable mass	Cable gross mass	Bending radius	Current rating		Reactance	Resistance		Impedance	Capacitance	Short circuit ratings	
						Amps			Ω/km max				Symmetrical	Single phase volt drop
mm ² Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	air	ducts	Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	µF/km		
25	7.0	9.5	0.27	186	95	128	116	0.080	0.73	0.87	0.874	0.733	2.737	1.51
35	8.5	10.9	0.37	234	109	156	139	0.081	0.52	0.63	0.633	0.864	3.797	1.10
50	10.3	13.2	0.53	317	132	189	165	0.066	0.39	0.46	0.469	0.899	5.141	0.81
70	11.5	14.4	0.71	407	144	237	203	0.069	0.27	0.33	0.333	0.992	7.423	0.58
95	14.0	17.3	0.99	605	173	293	244	0.068	0.19	0.24	0.251	1.050	10.308	0.44
120	15.5	18.8	1.22	719	188	338	278	0.068	0.15	0.20	0.214	1.152	13.003	0.37
150	17.3	21.0	1.53	927	210	384	311	0.067	0.12	0.17	0.183	1.144	16.044	0.32

Standard installation conditions

Ambient air temperature: 30°C



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