

Single Core

Hard drawn Copper, FRPVC insulated.

Application:

For use in power circuit systems of 600 / 1000V. Installed in cable trays and ducts.

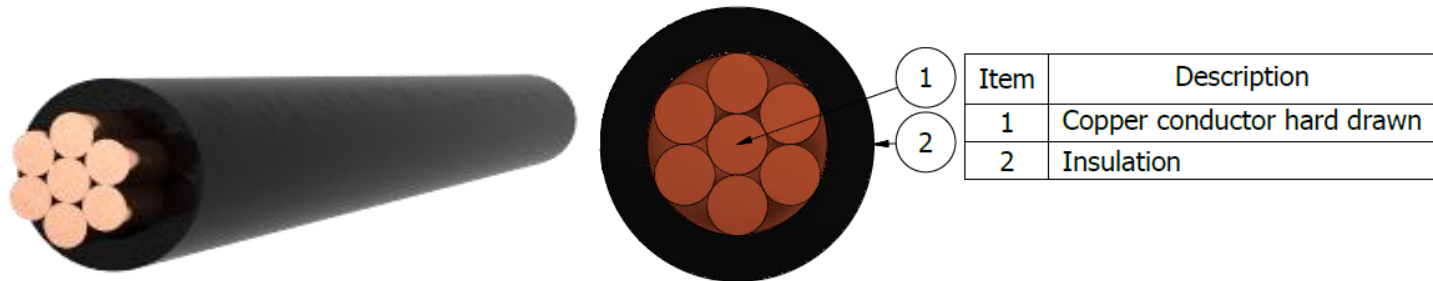
Voltage Rating: 600 / 1000V

Specification: SANS 182-1
SANS 1507-3

Construction:

Single core, circular Copper stranded conductor, FRPVC insulated.

SIZE CODE		CPH 1x(conductor size)FR 1kV															
Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass 1000m	Bending radius	Current rating		Resistance Ω/km max		Reactance	Impedance	Capacitance	Short circuit Symmetrical	Volt Drop		
							Trefoil		dc @ 20°C	ac @ 70°C					Ω/km	Ω/km	Ω/km
mm ² Nom	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg Nom.	mm Min.	A								mV/A/m		
							air	ducts									
10	4.0	6.1	6.1	0.12	198	61	60	42	1.78	2.19	0.095	2.192	0.539	1.78	4.38	3.80	
16	5.2	7.2	7.2	0.18	258	72	80	56	1.12	1.38	0.086	1.379	0.664	2.83	2.76	2.39	
35	7.5	10.0	10.0	0.36	448	100	128	90	0.52	0.63	0.084	0.633	0.740	5.17	1.30	1.15	
40	8.0	10.8	10.8	0.41	496	108	136	95	0.47	0.63	0.084	0.633	0.721	6.65	1.27	1.10	
63	10.1	12.9	12.9	0.64	742	129	198	139	0.27	0.46	0.081	0.471	0.885	11.54	0.94	0.82	
150	15.9	19.6	19.6	1.55	1 659	196	345	254	0.12	0.15	0.135	0.203	7.950	26.20	0.41	0.35	



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