



Single Core

Copper, XLPE Silane Insulated, non-armoured, FRPVC Sheathed.

Application:

For use in power circuit systems of 600 / 1000V. Installed in Cable trays and Ducts.

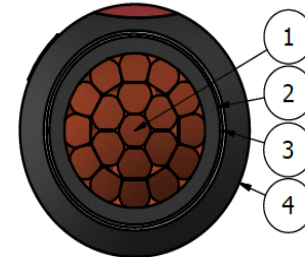
Construction:

Single core, circular Copper stranded conductor, XLPE insulated, separator tape, FRPVC sheath.

Voltage Rating: 600 / 1000V

Specification: SANS 1507-4

SIZE CODE		CPXUA 1x(conductor size)FR 1kV														
Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass 1000m	Bending radius	Current rating Trefoil		Resistance Ω/km max		Reactance Ω/km	Impedance Ω/km	Capacitance Ω/km	Short circuit Symmetrical kA (1sec)	Volt Drop	
							A		dc @ 20°C	ac @ 90°C					Single phase	3 Phase
mm ² Nom	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg Nom.	mm Min.	air	ducts							mV/A/m	
25	6.00	7.9	11.3	0.31	673	91	180	144	0.73	0.93	0.105	0.933	0.505	2.92	1.87	1.62
35	7.10	9.0	12.4	0.41	769	99	210	168	0.52	0.67	0.100	0.676	0.586	4.05	1.35	1.17
50	8.20	10.3	14.0	0.54	904	112	225	180	0.39	0.50	0.098	0.506	0.609	5.49	1.01	0.88
70	9.90	12.0	15.7	0.74	1,105	125	284	227	0.27	0.35	0.094	0.361	0.722	7.92	0.72	0.63
95	11.75	13.8	17.5	0.99	1,355	140	352	282	0.19	0.26	0.087	0.275	0.864	11.00	0.55	0.48
120	13.10	15.6	19.2	1.24	1,595	154	412	321	0.15	0.22	0.086	0.236	0.795	13.88	0.47	0.41
150	14.80	17.6	17.8	1.51	1,872	142	475	372	0.12	0.19	0.086	0.209	0.796	17.12	0.42	0.36
185	16.30	18.6	19.6	1.87	2,225	157	475	372	0.10	0.17	0.084	0.186	0.608	21.42	0.37	0.32
240	18.30	21.8	22.0	2.43	2,786	176	550	391	0.08	0.14	0.082	0.158	0.794	28.16	0.32	0.27
300	21.20	24.9	25.0	3.01	3,370	200	760	536	0.06	0.11	0.082	0.140	0.874	35.32	0.28	0.24



Item	Description
1	Conductor
2	Insulation
3	Separator tape (if applicable)
4	Sheathing

Revision: R00 25/10/2017



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