

3 Core Shaped/Circular Copper, XLPE, FRPVC / LHFRPVC, SWA, FRPVC / LHFRPVC.

Application:

For use in power circuits of 1900 / 3300V earthed systems. installed in cable trays, ducts and underground.

Construction:

3 Core, Copper stranded 120 degree Shaped / *Circular shaped conductor, XLPE insulated, FRPVC / LHFRPVC bedding, steel wire armoured and FRPVC / LHFRPVC sheath.

Voltage Rating: 1.9/3.3 kV

Specification: SANS 1507-4

SIZE CODE		CPX 3X(conductor size)FR / LH 3.3kV																	
Conductor size	Conductor depth / diameter	Insulation depth / diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Resistance		Reactance	Impedance	Capacitance	Short circuit ratings		3 Phase volt drop
									air	ground	ducts	dc @ 20°C	ac @ 90°C				Symmetrical	Earth fault	
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m	300m Nom.	mm min.	air	ground	ducts	dc @ 20°C	ac @ 90°C	Ω /km	Ω /km	μF/km	kA (1sec)		mV/A/m
70	8.3	12.4	30	33.5	38	3.8	1 336	376	244	241	193	0.268	0.342	0.090	0.354	0.346	9.7	7.7	0.59
120	11.0	15.1	35	39.1	44	5.6	1 879	436	347	328	262	0.153	0.196	0.082	0.213	0.437	17.1	9.0	0.34
240*	18.9	23.0	53	58.3	64	11.2	3 805	641	532	477	382	0.075	0.099	0.074	0.123	0.706	34.6	17.1	0.17

Note: * These cables are manufactured with circular conductors

