

## 3 Core

Circular Copper, PVC, PVC, SWA, FRPVC / LHFRPVC.

### Application:

For use in power circuits of 1.9/3.3kV earthed systems. Installed in cable trays, ducts and underground.

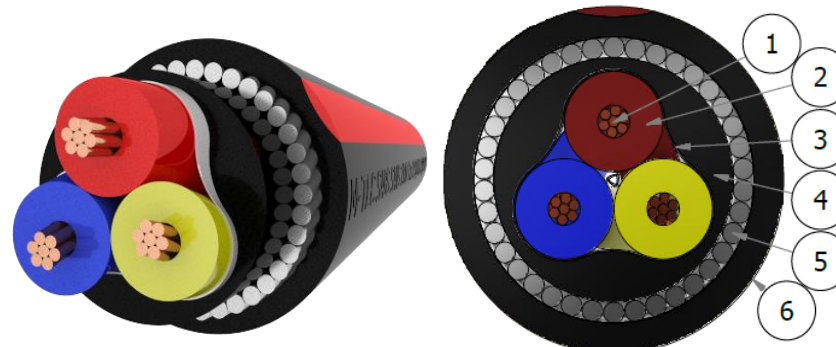
**Voltage Rating:** 1.9 / 3.3kV

### Construction:

3 Core, Copper stranded circular conductor class 2, PVC Insulated, PVC bedding, steel wire armoured, flame retardant PVC / Low halogen flame retardant PVC Sheath.

**Specification:** SANS 1507-3

SIZE CODE				LVCP 3x(conductor size)FR / LH 3.3kV																
Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Maximum pulling force on conductors combined	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Three phase volt drop
										Amps				Ω/km max				Symmetrical	Earth fault	
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	N	air	ground	ducts	Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)	mV/A/m	
10	3.8	8.3	20.5	23.0	26.5	1.35	784	265	88	61	68	56	0.115	1.83	2.19	2.19	0.284	1.274	3.645	3.8
16	4.8	9.3	22.7	25.9	29.6	1.82	1 019	296	141	85	87	74	0.108	1.15	1.38	1.38	0.330	2.027	5.183	2.4
25	6.0	10.6	25.3	28.5	32.1	2.23	1 227	321	221	111	113	95	0.101	0.73	0.87	0.88	0.392	3.207	5.746	1.5



Item	Description
1	Annealed Copper conductor, class 2
2	Insulation
3	Binder / separator tape (if applicable)
4	Bedding
5	Galvanized steel wire armour
6	Sheathing

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