

## 4 Core service cables with communication cores

Circular Copper, FRPVC, FRPVC, SWA, FRPVC.

### Application:

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

**Voltage Rating:** 600 / 1 000V

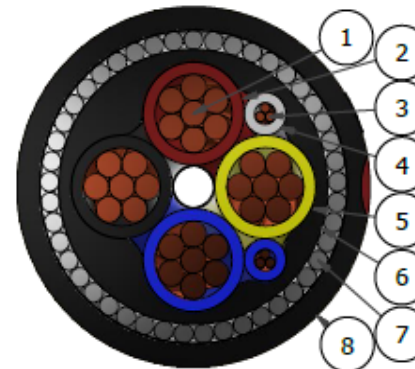
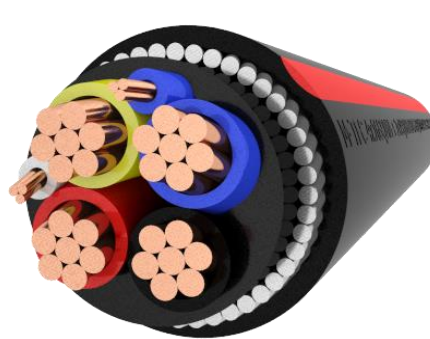
**Specification:** SANS 1507-3

### Construction:

4 Core, Copper stranded circular conductor, flame retardant PVC Insulated, flame retardant bedding, steel wire armoured, flame retardant PVC sheath.

SIZE CODE				LVCP 4X (conductor size) +2 X 1.0 Coms FR FR															
Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		3 phase volt drop
																	Symmetrical	Earth fault	
									Amps				Ω/km max						
mm <sup>2</sup> Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	air	ground	ducts	Ω/km	dc @ 20°C	ac @ 70°C	Ω /km	μF/km	kA (1sec)		mV/A/m
10	3.80	5.88	15.84	18.339	21.62	1.097	658	216	62	70	58	0.09	1.83	2.19	2.19	0.51	1.09	2.82	3.80
16	4.75	6.63	19.07	21.569	25.05	1.495	857	251	82	91	75	0.10	1.15	1.38	1.38	0.67	1.73	3.37	2.39
25	5.75	8.2	22.23	24.73	28.21	2.03	1124	282	109	119	96	0.09	0.73	0.87	0.88	0.63	2.74	3.92	1.52

Communication / pilot core's, conductor construction: 1mm<sup>2</sup> / 3x0.65mm.



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Communication core Copper conductor
4	Communication core insulation
5	Binding / separator tape (if applicable)
6	Bedding
7	Galvanized steel wire armour
8	Sheathing UV stable

Revision: R01 01/03/2019