

2 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.

Construction:

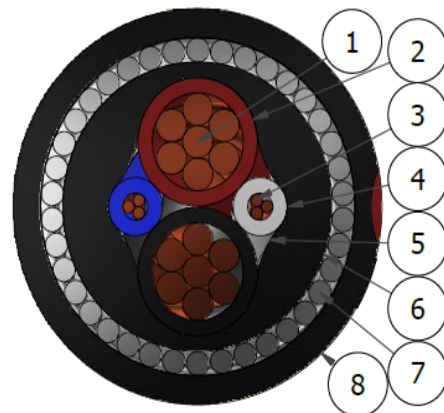
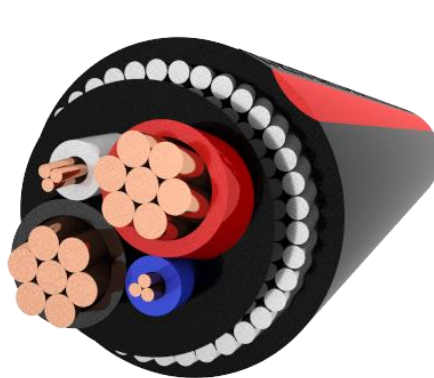
2 Core, Copper stranded circular conductor, flame retardant PVC Insulated, flame retardant bedding, steel wire armoured, flame retardant PVC sheath.

Voltage Rating: 600 / 1 000V

Specification: SANS 1507-3

SIZE CODE				LVCP 2X (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		Single phase volt drop
																	Symmetrical	Earth fault	
mm ² 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	13.44	15.94	19.22	0.79	504.10	192.20	62	70	58	0.09	1.83	2.19	2.19	0.51	1.09	2.41	4.38
16	4.75	6.63	15.44	17.94	21.22	0.97	595.93	212.20	82	91	75	0.10	1.15	1.38	1.38	0.67	1.73	2.75	2.76

Communication / pilot core's, conductor construction: 1mm² / 3x0.65mm.



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

Revision: R01 Added Communication conductor make up. (05/02/2018)