

## 3 Core + 2 x communication cores

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

### Application:

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

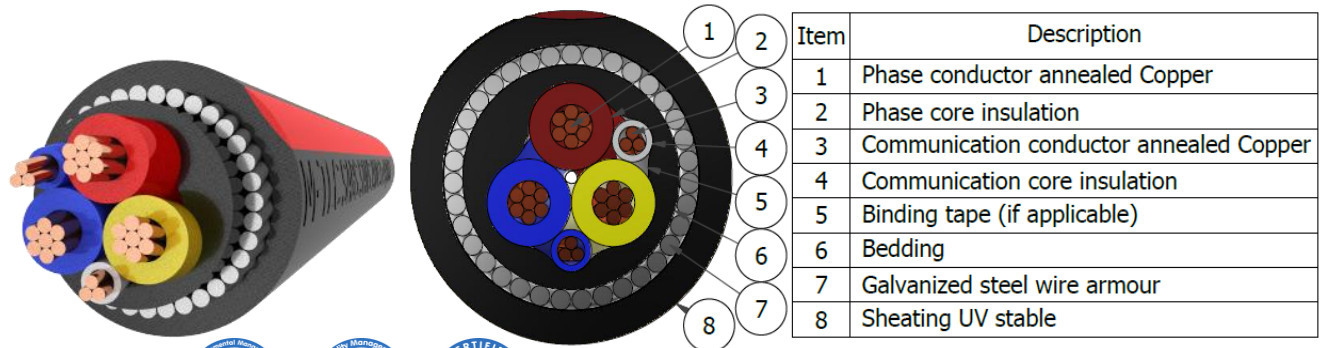
**Voltage Rating:** 600 / 1 000V

**Specification:** SANS 1507-3

### Construction:

3 Core + 2 x 1.0mm<sup>2</sup> communication cores, Copper stranded circular conductor, PVC Insulated, PVC bedding, galvanized steel wire armoured, flame retardant PVC / Low halogen flame retardant PVC Sheath.

SIZE CODE				LVCP 3x(conductor size)+2xComsFR / LH 1kV																
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		Single phase volt drop
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	Symmetrical	Earth fault	
																		kA (1sec)		mV/A/m
6	3.0	5.1	13.0	15.5	18.8	0.76	492	188	53	45	53	43	0.093	3.06	3.69	3.686	0.427	0.762	2.229	6.39
10	3.8	5.9	14.8	17.3	20.5	0.95	584	205	88	62	70	58	0.092	1.83	2.19	2.192	0.515	1.274	2.499	3.80
16	4.8	6.9	16.9	19.4	22.7	1.21	713	227	141	82	91	75	0.087	1.15	1.38	1.379	0.607	2.027	2.836	2.39
25	6.0	8.5	21.2	23.7	27.2	1.72	971	272	221	109	119	96	0.087	0.73	0.87	0.876	0.647	3.207	3.579	1.52



Revision: R01 13/10/2020