

4 Core 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.

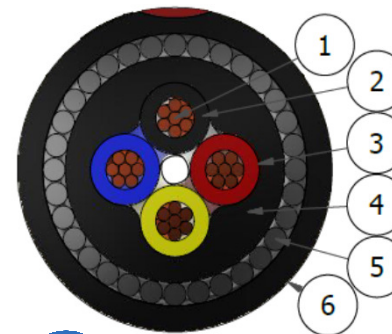
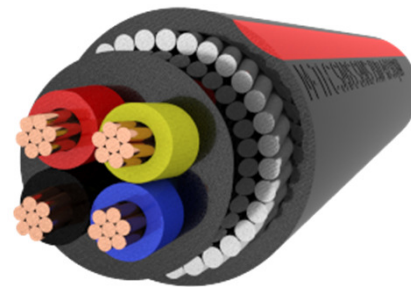
Voltage Rating: 600 / 1 000V

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)FR FR 1kV

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						
									Amps	air	ground		ducts	Ω/km			dc @ 20°C	ac @ 70°C		Ω /km	μF/km	Symmetrical	Earth fault	kA (1sec)	mV/A/m
1.5	1.6	3.6	9.4	11.9	15.0	0.48	351	150	20	24	20	0.111	12.10	14.48	14.478	0.271	0.193	1.788	25.08						
2.5	2.0	4.1	10.5	13.0	16.1	0.56	390	161	26	32	26	0.110	7.41	8.87	8.867	0.312	0.315	1.925	15.36						
4	2.5	4.5	12.6	15.1	18.4	0.72	468	184	36	42	34	0.103	4.61	5.52	5.517	0.374	0.506	2.269	9.56						
6	3.0	5.1	13.9	16.4	19.7	0.84	528	197	45	53	43	0.098	3.08	3.69	3.687	0.422	0.762	2.476	6.39						
10	3.8	5.9	15.8	18.3	21.6	1.07	643	216	62	70	58	0.093	1.83	2.19	2.193	0.509	1.274	2.819	3.80						
16	4.8	6.6	19.1	21.6	25.0	1.47	844	250	82	91	75	0.086	1.15	1.38	1.383	0.666	2.027	3.370	2.40						



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binding tape (if applicable)
4	Bedding
5	Steel wire armour
6	Sheath

Revision: R00 25/10/2016

