

3 Core 120° Shaped stranded Aluminium, PVC, PVC, SWA, FRPVC.

Application:

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

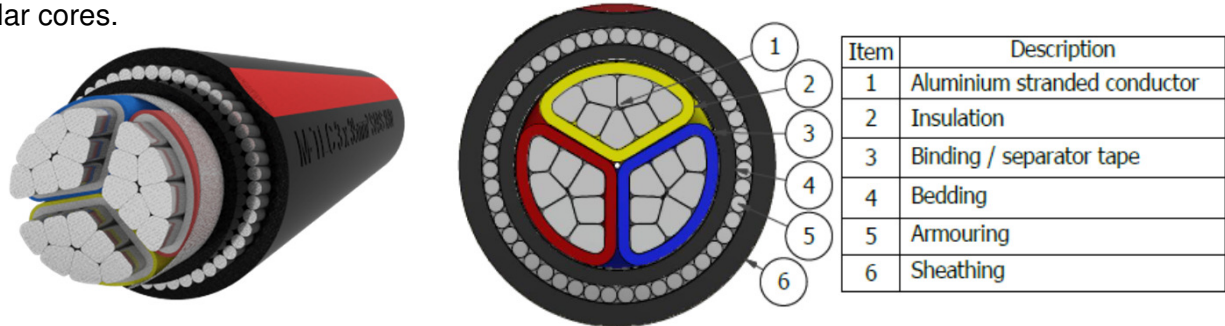
Construction:

3 Core, Aluminium stranded sector shaped conductor, PVC insulated, PVC bedding, steel wire armoured and PVC sheath.

Voltage Rating: 600/1 000V
Specification: SANS 1507-3

SIZE CODE		APS 3X(conductor size)FR/LH																		
Conductor size	Conductor depth / diameter	Insulation depth / 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 max			Symmetrical	Earth fault		
														Ω /km						dc @ 20°C
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m	300m Nom.	mm min.				Ω /km								
25	5.7	8.2	19	21.2	25	1.1	418	247	109	119	96	0.073	1.043	1.442	1.444	0.611	1.8	3.2	2.50	
35	6.7	9.2	19	21.8	25	1.1	429	253	133	143	116	0.073	0.868	1.044	1.046	0.711	2.6	4.6	1.81	
50	7.8	10.6	24	26.8	31	1.6	612	305	162	169	138	0.068	0.641	0.772	0.775	0.705	3.5	5.2	1.34	
70	9.4	12.3	25	28.4	32	1.9	721	321	205	210	171	0.072	0.443	0.538	0.543	0.826	5.0	7.6	0.93	
95	11.1	14.4	29	32.6	37	2.6	925	367	252	251	205	0.070	0.320	0.397	0.403	0.839	6.9	15.1	0.69	
120	12.5	15.8	32	35.6	40	3.0	1,061	402	291	285	234	0.067	0.253	0.325	0.332	0.933	8.8	11.9	0.56	
150	14.0	17.7	35	39.0	44	2.3	903	436	334	320	263	0.066	0.206	0.278	0.286	0.933	10.8	13.0	0.48	
185	15.6	19.7	45	50.2	56	5.1	1,754	555	383	361	298	0.068	0.164	0.227	0.237	0.939	13.5	14.4	0.39	
#240	18.9	23.4	51	56.4	62	6.4	2,275	621	4514	416	344	0.072	0.125	0.175	0.190	1.028	17.7	15.7	0.30	
#300	21.2	26.1	60	65.1	71	7.7	2,680	712	514	465	385	0.075	0.100	0.146	0.164	1.057	22.2	18.4	0.25	

Note: these cable sizes are manufactured with circular cores.



Revision: R00

01/12/2016