

PVC
FRPVC AWA FRPVC (red stripe) ...141 Finish code
LHPVC AWA LHPVC (blue stripe) ...242

F4CA... Primary group code

Aluminium I Core
600/1000V
SANS 1507

Size code	...naaa...	1050	1070	1095	1120	1150	1185	1240	1300
Conductor size	mm ² nom	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	8.5	10.0	12.0	14.0	14.5	16.0	18.5	20.5
Insulation diameter	mm app.	11.5	13.0	15.0	17.0	18.0	20.0	23.0	25.5
Bedding diameter	mm app.	13.0	14.5	17.0	19.5	20.5	22.5	25.5	28.5
Armour diameter	mm app.	16.0	17.0	19.0	22.5	24.0	26.0	28.5	32.5
Cable diameter	mm app.	20.0	21.5	24.0	27.0	28	30	33.0	37.5
Cable mass	kg/m app.	0.8	0.9	1.1	1.3	1.5	1.7	2.0	2.6
Gross mass (500 m)	kg app.	450	500	600	675	775	875	1100	1475
Bending radius	mm min.	400	430	480	540	560	600	660	750
Current rating	(trefoil)								
In ground	Amps	129	158	192	219	245	278	324	366
In ducts	Amps	104	130	157	179	201	229	268	304
In air	Amps	120	151	188	218	248	288	344	396
Resistance									
dc @ 20°C	Ω/km max	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
ac @ 70°C	Ω/km max	0.771	0.533	0.385	0.305	0.249	0.199	0.152	0.123
Reactance	Ω/km	0.084	0.076	0.076	0.077	0.075	0.073	0.074	0.073
Impedance	Ω/km	0.775	0.538	0.393	0.314	0.260	0.212	0.169	0.143
Zero Sequence									
Resistance	Ω/km	3.255	2.325	1.713	1.356	1.085	0.880	0.678	0.543
Reactance	Ω/km	0.388	0.318	0.312	0.318	0.298	0.285	0.290	0.279
Short circuit ratings									
Symmetrical	kA (1sec)	3.85	5.56	7.70	9.74	11.96	15.03	19.72	24.65
Earth fault	kA (1sec)	3.53	3.97	4.52	6.87	7.23	7.77	8.86	12.42
(Three Phase)Volt Drop	mV/A/m	1.342	0.932	0.681	0.544	0.450	0.367	0.293	0.248

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F4CA 1120 141



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