

PVC  
 FR PVC SWA FR PVC (red stripe)  
 LH PVC SWA LH PVC (blue stripe)

F4CS... Primary group code  
 ...111 Finish code  
 ...212

Solid Aluminium 4 Core  
 600/1000 V  
 SANS 1507

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4150	4185	4240	4300
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150	185	240	300
Conductor depth	mm app.	5.5	6.5	7.5	9.0	10.6	12.0	13.0	14.5	17.0	19.0
Insulation depth	mm app.	8.0	9.0	10.5	12.0	14.0	15.0	17.0	19.0	21.5	23.5
Bedding diameter	mm app.	21.0	23.0	26.5	30.5	35.0	38.0	42.0	47.0	52.5	58.0
Armour diameter	mm app.	24.0	26.0	30.0	34.5	39.0	42.0	47.0	52.0	57.5	63.0
Cable diameter	mm app.	27.5	30.0	33.5	38.5	43.5	47.0	52.0	57	63.5	69
Cable mass	kg/m app.	1.4	1.6	2.0	2.7	3.4	3.9	5.0	5.9	7.1	8.4
Gross mass ( 300 m )	kg app.	503	576	680	983	1099	1252	1573	1848	2215	2608
Bending radius	mm min.	275	300	335	385	435	470	520	570	635	690
<b>Current rating</b>											
In ground	Amps	87	105	125	155	185	210	240	270	315	355
In ducts	Amps	74	89	106	132	157	179	204	230	268	302
In air	Amps	78	93	110	145	175	205	235	270	320	365
<b>Resistance</b>											
dc @ 20°C	Ω/km max	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
ac @ 70°C	Ω/km max	1.442	1.043	0.771	0.533	0.385	0.305	0.249	0.199	0.153	0.123
<b>Reactance</b>											
Reactance	Ω/km	0.077	0.077	0.077	0.071	0.070	0.068	0.069	0.069	0.068	0.068
<b>Impedance</b>											
Impedance	Ω/km	1.444	1.046	0.774	0.538	0.392	0.313	0.258	0.211	0.167	0.141
<b>Zero Sequence</b>											
Resistance	Ω/km	6.185	5.389	4.529	3.148	2.713	2.475	1.799	1.586	1.409	1.254
Reactance	Ω/km	0.065	0.063	0.066	0.061	0.063	0.062	0.061	0.062	0.068	0.063
<b>Short circuit ratings</b>											
Symmetrical	kA (1sec)	2.0	2.8	3.8	5.5	7.7	9.7	11.9	15.0	19.7	24.6
Earth fault	kA (1sec)	4.4	4.8	5.6	8.1	9.2	9.9	13.8	15.5	17.2	19.1
(Three Phase) Volt Drop	mV/A/m	2.50	1.81	1.34	0.93	0.68	0.54	0.45	0.37	0.29	0.24

When ordering please quote: primary + size + finish code

e.g. F4CS 4025 111

\* Earth fault rating limited by symmetrical fault rating



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

A member of the REUNERT Group

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