

Only for use in applications protected from solar radiation.

NHLSTR F6CA... Primary group code
ZEROTOX (white stripe) ...003 Finish code

Aluminium 4 Core

600/1000V
SANS 1507

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4150	4185	4240	4300
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.0	7.0	8.0	9.5	11.0	12.5	14.0	15.5	18.0	20.0
Insulation diameter	mm app.	8.5	9.5	11.0	12.5	14.5	16.0	17.5	20.0	22.5	25.0
Cable diameter	mm app.	22.5	25.0	28.5	32.5	37.5	40.5	44.5	50.0	57.0	63.5
Cable mass	kg/m app.	0.6	0.8	1.0	1.3	1.8	2.1	2.6	3.2	4.1	5.1
Gross mass (300 m)	kg app.	263	315	383	486	754	903	1090	1281	1771	2184
Bending radius	mm min.	338	375	428	488	563	608	668	750	855	953
Current rating											
In ground	Amps	94	110	135	165	195	225	250	285	325	370
In ducts	Amps	75	90	105	135	160	185	205	235	275	310
In air	Amps	84	105	125	160	200	225	260	305	360	415
Resistance											
dc @ 20°C	Ω/km max	1.200	0.868	0.641	0.443	0.320	0.253	0.206	1.640	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	0.152	0.123
Reactance	Ω/km	0.080	0.077	0.077	0.072	0.071	0.069	0.069	0.069	0.069	0.069
Impedance	Ω/km	1.444	1.046	0.775	0.538	0.391	0.313	0.258	0.211	0.167	0.141
Short circuit ratings											
Symmetrical	kA (1sec)	1.7	2.4	3.2	4.7	6.5	8.3	10.2	12.8	16.8	21.0
(Three Phase)Volt Drop	mV/A/m	2.50	1.81	1.34	0.93	0.68	0.54	0.45	0.36	0.29	0.24

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F6CA 4025 003



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