

Only for use in applications protected from solar radiation.

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

Aluminium 1 Core
600/1000 V
SANS 1507

| Size code | ...naaa... | 1400 | 1500 | 1630 | 1800 | 1999 |
|--------------------------|---------------------|-------|-------|-------|-------|-------|
| Conductor size | mm ² nom | 400 | 500 | 630 | 800 | 1000 |
| Conductor diameter | mm app. | 23.0 | 26.5 | 30.0 | 34.5 | 39.0 |
| Insulation diameter | mm app. | 28.5 | 32.5 | 35.5 | 40.0 | 45.0 |
| Cable diameter | mm app. | 32.5 | 37.0 | 40.0 | 44.5 | 50.5 |
| Cable mass | kg/m app. | 1.6 | 2.1 | 2.5 | 3.1 | 3.9 |
| Gross mass (500 m) | kg app. | 1090 | 1340 | 1540 | 1840 | 2240 |
| Bending radius | mm min. | 488 | 555 | 600 | 668 | 758 |
| Current rating | (trefoil) | | | | | |
| In ground | Amps | 437 | 498 | 559 | 634 | 709 |
| In ducts | Amps | 377 | 421 | 461 | 511 | 556 |
| In air | Amps | 507 | 590 | 680 | 776 | 907 |
| Resistance | | | | | | |
| dc @ 20°C | Ω/km max | 0.078 | 0.061 | 0.047 | 0.037 | 0.029 |
| ac @ 70°C | Ω/km max | 0.097 | 0.077 | 0.062 | 0.045 | 0.037 |
| Reactance | Ω/km | 0.072 | 0.071 | 0.071 | 0.071 | 0.070 |
| Impedance | Ω/km | 0.121 | 0.105 | 0.094 | 0.084 | 0.079 |
| Short circuit ratings | | | | | | |
| Symmetrical | kA (1sec) | 27.0 | 34.7 | 44.8 | 57.3 | 72.3 |
| (Three Phase) Volt Drop | mV/A/m | 0.21 | 0.18 | 0.16 | 0.15 | 0.14 |
| (Single Phase) Volt Drop | mV/A/m | 0.24 | 0.21 | 0.19 | 0.17 | 0.16 |

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F6CA 1400 003



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

A member of the REUNERT Group

CBI Electric African Cables
PO Box 172, Vereeniging 1930 • Tel: +27 16 430 6000 • Fax: +27 16 423 6103
www.cbi-electric.com • afcab@cbi-electric.com

