

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

F4CA... Primary group code  
 ...001 Finish code  
 ...002

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.             | 6.0   | 7.0   | 8.0   | 9.5   | 11.0  | 12.5  | 14.0  | 15.5  | 18.0  | 20.0  |
| Insulation depth        | 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.             | 23.0  | 25.5  | 29.0  | 32.5  | 38.0  | 41.5  | 46.0  | 51.0  | 57.5  | 64.0  |
| Cable mass              | kg/m app.           | 0.7   | 0.8   | 1.1   | 1.4   | 1.9   | 2.3   | 2.8   | 3.4   | 4.4   | 5.4   |
| Gross mass ( 300 m )    | kg app.             | 265   | 315   | 381   | 485   | 755   | 905   | 1090  | 1280  | 1800  | 2215  |
| Bending radius          | mm min.             | 184   | 204   | 232   | 260   | 304   | 332   | 368   | 408   | 460   | 512   |
| Current rating          |                     |       |       |       |       |       |       |       |       |       |       |
| In ground               | Amps                | 87    | 105   | 125   | 155   | 185   | 210   | 240   | 270   | 315   | 355   |
| In ducts                | Amps                | 73    | 87    | 105   | 130   | 155   | 180   | 200   | 230   | 270   | 305   |
| In air                  | Amps                | 80    | 98    | 120   | 150   | 190   | 220   | 250   | 290   | 345   | 395   |
| 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               |                     |       |       |       |       |       |       |       |       |       |       |
| Impedance               | Ω/km                | 0.080 | 0.077 | 0.077 | 0.072 | 0.071 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 |
| Short circuit ratings   |                     |       |       |       |       |       |       |       |       |       |       |
| Symmetrical             | kA (1sec)           | 2.0   | 2.8   | 3.8   | 5.6   | 7.7   | 9.7   | 12.0  | 15.0  | 19.7  | 24.6  |
| (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  |

Last updated May 2006

When ordering please quote: primary + size + finish code  
 e.g. F4CA 4025 001



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