

LV ABC

XLPE

ESKOM BARE SUPPORT

F7CA... Primary group code

...EB0 Finish code

Aluminium 3 core + Bare Support

600/1000V

ABC

ESKOM (SCSSCAAD5)

| Size code | ...naaa... | 3035 | 3050 | 3070 | 3095 | 3120 |
|-------------------------|---------------------|-------|-------|-------|-------|-------|
| Conductor size | mm ² nom | 35 | 50 | 70 | 95 | 120 |
| Conductor diameter | mm app. | 7.0 | 8.2 | 9.8 | 12.0 | 13.5 |
| Core diameter | mm app. | 10.3 | 11.5 | 13.6 | 15.5 | 17.5 |
| Assembled diameter | mm app. | 28.0 | 31.0 | 35.0 | 44.0 | 48.0 |
| Support Core size | mm ² nom | 35 | 50 | 50 | 70 | 70 |
| Cable mass | kg/m app. | 0.49 | 0.61 | 0.82 | 1.15 | 1.37 |
| Gross mass (500 m) | kg app. | 337 | 394 | 499 | 666 | 778 |
| Design Load (UTS/2.5) | kN max | 4.1 | 5.7 | 5.7 | 5.7 | 5.7 |
| Current rating | | | | | | |
| In air | Amps | 138 | 168 | 213 | 250 | 290 |
| Resistance | | | | | | |
| dc @ 20°C | Ω/km max | 0.868 | 0.641 | 0.443 | 0.320 | 0.253 |
| ac @ 90°C | Ω/km max | 1.113 | 0.822 | 0.568 | 0.398 | 0.315 |
| Reactance | Ω/km | 0.090 | 0.084 | 0.083 | 0.080 | 0.078 |
| Impedance | Ω/km | 1.117 | 0.826 | 0.574 | 0.406 | 0.325 |
| Short Circuit rating | kA (1sec) | 3.0 | 4.1 | 5.9 | 8.5 | 10.7 |
| (Three Phase) Volt Drop | mV/A/m | 1.93 | 1.43 | 0.99 | 0.70 | 0.56 |

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F7CA 3035 EB0



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