

TECHNICAL SPECIFICATION of AAC 95

| CONDUCTOR CHARACTERISTICS | UNIT | VALUE |
|---|-----------------------|-----------------------|
| Purity of Aluminum Ingot | Min. | 99,7 % |
| Type of Ingot | - | EC |
| RELATED STANDARD | - | EN 50182 |
| Conductor Code Name | - | AAC 95 |
| Conductor Stranding & Nominal Wire Diameter | No./mm | 19/2,50 mm Al |
| Nominal Overall Diameter | mm | 12,50 |
| Cross-Sectional Area Total | mm ² | 93,3 |
| Layer ratio for Six-Wire Layer | Ratio | 10-16 |
| Layer ratio for Twelve-Wire Layer | Ratio | 10-14 |
| Direction of Outer Layer | - | Right handside |
| Conductor Approximate Mass | Kg/km | 256,3 |
| Tolerance of Conductors' Mass | - | ± 2 % |
| Rated Tensile Strength | kN | 16,32 |
| Current carrying capacity | A | 340 |
| DC Resistance at 20 °C | Ω/km | 0,3081 |
| WIRE CHARACTERISTICS | For 2.50mm Al. | |
| Density at 20 °C | Kg/dm ³ | 2,703 |
| Selfresistivity at 20 °C | nΩ.m | 28,264 |
| Coefficient of Linear Expansion | C ⁻¹ | 23 x 10 ⁻⁶ |
| Tolerance of Diameter of Wire | mm | ± 0,03 |
| Min. Ultimate Tensile Stress | MPa | 175 |
| DRUM INFO | | |
| Drum length of the conductor | m | 2000 |
| Weight of drum(including conductor) | kg | 600 |

