

TECHNICAL DATA SHEET FOR AAC 50

| CONDUCTOR CHARACTERISTICS | UNIT | VALUE |
|---|------------------------|-----------------------|
| Purity of Aluminum Ingot | - | 99,7 % |
| RELATED STANDARD | - | EN 50182 |
| Conductor Code Name | - | AAC 50 |
| Conductor Stranding & Nominal Wire Diameter | No./mm | 7/3,00 mm Al |
| Nominal Overall Diameter | mm | 9,00 |
| Cross-Sectional Area Total | mm ² | 49,5 |
| Lay ratio for Six-Wire Layer | Ratio | 10-16 |
| Direction of Outer Layer | - | Right hand side |
| Conductor Approximate Mass | Kg/km | 135,2 |
| Tolerance of Conductors' Mass | - | ± 2 % |
| Rated Tensile Strength | kN | 8,41 |
| DC Resistance at 20 °C | Ω/km | 0,5776 |
| Current carrying capacity | A | 225 |
| WIRE CHARACTERISTICS | For 3,00 mm 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 | 170 |
| Elongation | % | 1,7 |

Signed By

HICRAN TECER
Alüminyum Kablo Sanayi ve Ticaret A.Ş.
Abant Sanayi Bölgesi, Organize Sanayi Bölgesi, Cad.No:3
Mimarsinan / KAYSERİ / TÜRKİYE
Quality Control Chief 34
Mimarsinan V.D. 352 0500 297