

TECHNICAL SPECIFICATION of AAC 70

CONDUCTOR CHARACTERISTICS	UNIT	VALUE
Purity of Aluminum Ingot	-	99,7 %
Type of ingot	-	EC
RELATED STANDARD	-	EN 50182
Conductor Code Name	-	AAC 70
Conductor Stranding & Nominal Wire Diameter	No./mm	19/2,10 mm Al
Nominal Overall Diameter	mm	10,50
Cross-Sectional Area Total	mm ²	65,8
Lay ratio for Six-Wire Layer	Ratio	10-16
Lay ratio for Twelve-Wire Layer	Ratio	10-14
Direction of Outer Layer	-	Right hand side
Conductor Approximate Mass	Kg/km	180,9
Tolerance of Conductors' Mass	-	± 2 %
Rated Tensile Strength	kN	11,85
Current carrying capacity	A	270
DC Resistance at 20 °C	Ω/km	0,4367
WIRE CHARACTERISTICS	For 2.10 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	180
DRUM INFO		
Drum length of the conductor	m	2000
Weight of drum(including conductor)	kg	460