

# CONDUCTOR ALUMINIU TIP AAC

## ALL ALUMINUM CONDUCTOR, AAC TYPE

Standard	Aprobari / Approvals	Ambalare / Packaging
ST 161:2013; SR CEI 61089; SR EN 50182	Certificat de omologare tehnica feroviara Nr 288,289/2014, AFER Buc Railway Technical Approval Certificate No 288,289/2014, AFER Buc Romania	Tambur/ drum

CARACTERISTICI		CHARACTERISTICS	
<b>Utilizare:</b> Conductoarele de aluminiu tip AAC se utilizeaza la: <ul style="list-style-type: none"> <li>- trasee ELF, alimentare statii CF</li> <li>- alimentare circuite exterioare in principal pe sectiile neelectrificate ,</li> <li>- circuite primare 110 kV / 25 kV la substatiiile de tractiune electrica</li> </ul>		Usage: Aluminum conductors and ASCR type AAC is used in: <ul style="list-style-type: none"> <li>- ELF routes, railway stations supply</li> <li>- Supply external circuits primarily on non-electrified sections,</li> <li>- Primary circuit 110 kV / 25 kV substations of electric traction</li> </ul>	
Temperatura minima de montaj	-5°C	Temperature during installation	-5°C
Temperatura maxima de lucru	-40°C...+55 °C	Max.permisible operating temperature	-40°C...+55 °C
Raza minima de curbura la instalare	Min. 12 x diametru	Min. bending radius at installation	Min. 12 x diameter
Clasa de risc	1A	Risk class	1A
Durata de viata	24-36 ani	Life	24-36 years

### Conductor tip AAC

Sectiune nominala a conductorului <i>Nominal crosssection of conductor</i>	Nr minim de sarme <i>Minimum number of wires</i>	Diametru exterior nominal <i>Nominal outer diameter</i>		Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>	Forta de rupere <i>Rated strength</i>
		Sarma <i>Wire</i>	Conductor <i>Conductor</i>		
mm <sup>2</sup>	mm	mm	mm	Ω/km	KN
25	7	2.1	6.3	1.1787	4.36
35	7	2.5	7.5	0.8317	6.01
50	7	3.0	9.0	0.5776	8.41
70	19	2.1	10.5	0.4367	11.5
95	19	2.5	12.5	0.3081	16.32
120	19	2.8	14.0	0.2456	19.89
150	37	2.25	15.8	0.1960	26.48
185	37	2.5	17.5	0.1588	31.78
240	61	2.25	20.3	0.1193	43.66
300	61	2.5	22.5	0.0966	52.40
400	61	2.89	26.0	0.0723	68.02
500	61	3.23	29.1	0.0579	82.47