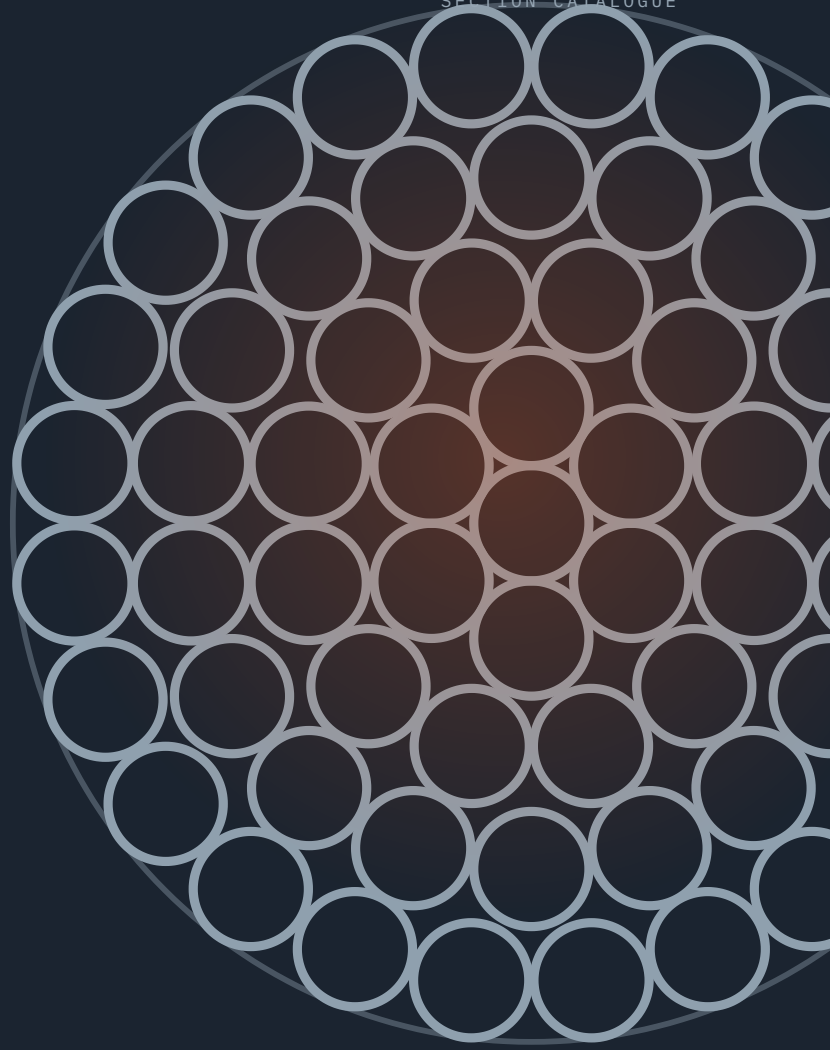




AKZ

ALUMINIUM KOOHRANG ZAGROS

SECTION CATALOGUE



03

AAC — all-aluminium conductor

هادی تمام آلومینیوم

DIN 48201

BS 215

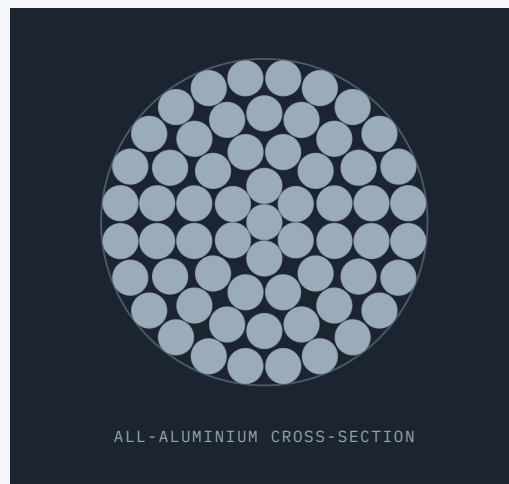
BS-EN 50182

OVERVIEW

High conductivity, where ampacity governs.

Hard-drawn 1350 aluminium strands, for transmission and distribution over relatively short spans where high conductivity is required and ampacity governs the design.

Supplied in the full metric preferred-number series and the BS 215 insect code-name range.



APPLICATIONS


Urban distribution
Short transmission spans
Busbars & risers
Earthing systems

STANDARDS

DIN 48201

BS 215

BS-EN 50182

3.1 · Metric series

DIN 48201 / BS-EN 50182.

Nom. area mm ²	Stranding n × mm	Ø mm	Weight kg/km	DC R @20°C Ω/km	Break kN
16	7 × 1.70	5.1	45	1.8017	2.8
25	7 × 2.10	6.3	65	1.1807	4.1
35	7 × 2.50	7.5	95	0.8331	5.7
50	7 × 3.00	9.0	135	0.5786	7.9
50	19 × 1.80	9.0	135	0.5949	8.4
70	19 × 2.10	10.5	180	0.4371	11.3
95	19 × 2.50	12.5	255	0.3084	15.6
120	19 × 2.80	14.0	320	0.2459	18.7
150	37 × 2.25	15.7	405	0.1960	25.3
185	37 × 2.50	17.5	500	0.1587	30.5
240	61 × 2.25	20.2	670	0.1191	39.5
300	61 × 2.50	22.5	825	0.0964	47.7
400	61 × 2.89	26.0	1105	0.0722	60.8
500	61 × 3.23	29.1	1380	0.0578	74.6
625	91 × 2.96	32.6	1726	0.0460	95.0
800	91 × 3.35	36.8	2228	0.0360	118.2
1000	91 × 3.74	41.1	2777	0.0290	145.5

3.2 · Code-name series

BS 215 / BS-EN 50182 · insect code names.

Code	Stranding n × mm	Ø mm	Weight kg/km	DC R @20°C Ω/km	Break kN
MIDGE	7 × 2.06	6.18	63.8	1.2270	3.9
GNAT	7 × 2.20	6.60	73.0	1.0640	4.83
MOSQUITO	7 × 2.60	7.80	101	0.7740	6.27
BLUEBOTTLE	7 × 3.70	11.0	201	0.3880	11.78
EARWIG	7 × 3.80	11.3	215	0.3630	12.57
GRASSHOPPER	7 × 3.90	11.7	230	0.3400	13.45
CLEGG	7 × 4.20	12.5	261	0.2980	15.3
WASP	7 × 4.39	13.17	289	0.2702	16.0
BEETLE	19 × 2.70	13.4	292	0.2700	18.08
BEE	7 × 4.90	14.7	361	0.2160	21.12
HORNET	19 × 3.25	16.25	433	0.1825	25.7
CATERPILLAR	19 × 3.50	17.7	511	0.1540	29.75
CHAFER	19 × 3.78	18.9	586	0.1349	33.4
SPIDER	19 × 4.00	20.0	653	0.1210	38.01
COCKROACH	19 × 4.22	21.1	730	0.1083	40.0
BUTTERFLY	19 × 4.65	23.3	887	0.0891	48.7
MOTH	19 × 5.00	25.0	1025	0.0770	59.69
DRONE	37 × 3.60	25.1	1027	0.0770	59.69
CENTIPEDE	37 × 3.78	26.46	1145	0.0694	56.1
MAYBUG	37 × 4.10	28.6	1341	0.0590	77.78
SCORPION	37 × 4.30	29.9	1461	0.0540	84.77
CICADA	37 × 4.70	32.6	1733	0.0450	100.54

**AKZ**

ALUMINIUM KOOHRANG ZAGROS



EXPLORE THE FULL RANGE

01 **Aluminium & alloy rod** مفتول آلومینیوم و آلیاژی

04 **AAAC** هادی تمام آلومینیومی آلیاژی

06 **ACSR-AW** هادی با مغز فولادی روکش آلومینیوم

08 **Messenger** (مسنجر) هادی مهار آلیاژی

02 **Aluminium welding wire** سیم جوش آلومینیوم

05 **ACSR** هادی آلومینیوم با مغز فولادی

07 **OPGW** سیم محافظ نوری

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ISO 9001

TAVANIR