AAC Conductor

BS 215-1 · IEC 61089

All aluminium conductor — the highest conductivity per kilogram in the bare conductor family, for short spans, urban feeders and substation connections.

SECTION RANGE	STRANDING	MATERIAL	STANDARDS
10–1000 mm²	7 to 61 wires	1350-H19 hard-drawn aluminium	BS 215-1, IEC 61089, ASTM B231

TYPICAL APPLICATIONS

- Urban low-voltage and MV distribution
- Substation busbars and jumpers
- Short-span feeders and service mains
- Messenger and neutral wires for ABC systems

CONSTRUCTION

- Hard-drawn aluminium wires (1350-H19), concentric lay
- Stranding from 7 to 61 wires
- 61 % IACS conductivity minimum
- Homogeneous — no corrosion between dissimilar metals
- Right-hand outer lay, optional left-hand on request

TECHNICAL DATA

Conductor	Hard-drawn aluminium wires (1350-H19)	**Standards**	BS 215 Part 1, IEC 61089, ASTM B231, DIN 48201
Section range	10–1000 mm²	**Max. temperature**	75 °C normal / 90 °C emergency
Stranding	7, 19, 37, 61 wires	**Packing**	1000–3000 m on wooden or steel drums
Conductivity	61 % IACS minimum		

Typical values. The final construction is confirmed on the order datasheet and the released drawing.

STANDARDS, TESTING AND DOCUMENTS

Routine tests	Conductor resistance, voltage test and insulation resistance on every length
Type tests	Type-test reports for each construction, witnessed by a third party on request
Documents with the drum	Packing list, drum list, routine test certificate, datasheet, CO / FORM A
Traceability	Drum number marked and recorded against the routine test certificate

OTHER CONSTRUCTIONS FROM THE SAME RANGE

AAAC Conductor	www.zmsoverheadcable.com/products/aaac-conductors/aaac-conductor/
ABC Aerial Bundled Cable	www.zmsoverheadcable.com/products/aerial-bundled-cables/abc-cable/
Back to AAC conductors	www.zmsoverheadcable.com/products/aac-conductors/

PACKING AND DELIVERY

Drum	Wooden or steel-framed export drum, 250–500 m per drum by cross-section
Packing	Sealed ends, protected lugs, desiccant, UV-resistant wrap
Marking	Drum no., designation, voltage, cross-section, length, gross weight
Lead time	15–25 working days for standard builds
Terms	FOB Qingdao, Tianjin or Shanghai. CIF, CFR and DAP on request

HOW TO ORDER

To quote, send the voltage class (U0/U), conductor material and cross-section, screen or armour, sheath, drum length, delivery port and the standard the project specifies. We return a released drawing, the test programme and a drum plan with the quotation.

Certification. Environmental management to ISO 14001:2015 and occupational health and safety to ISO 45001:2018, with CE marking under the EU low-voltage and EMC directives. Independent inspection and type testing are carried out through ISO/IEC 17020 and 17025 accredited laboratories. Certificate numbers and validity dates are published at www.zmsoverheadcable.com/certificates/.

Request a quotation for this cable

Send the specification sheet or the cable schedule and we return a released drawing, the test programme and a drum plan with the price.

Tel +86 371 6782 9333
WhatsApp +86 173 0383 6349
info@zmscable.com
www.zmsoverheadcable.com