AAAC Conductor

BS EN 50182 · IEC 61089

All aluminium alloy conductor — the corrosion-proof answer to coastal and industrial overhead lines, with strength close to ACSR and no steel core to protect.

SECTION RANGE	STRANDING	MATERIAL	STANDARDS
16–1000 mm²	7 to 91 wires	6201-T81 aluminium alloy	BS EN 50182, IEC 61089, ASTM B399

TYPICAL APPLICATIONS

- Coastal and marine transmission lines
- Distribution in industrial pollution zones
- Long spans where ACSR corrosion is a concern
- Railway and tramway overhead contact feeders

CONSTRUCTION

- Aluminium alloy wires (6201-T81), concentric lay
- Stranding from 7 to 91 wires
- No steel core — single-material construction
- Natural corrosion resistance without grease
- Right-hand outer lay, optional left-hand on request

TECHNICAL DATA

Conductor	6201-T81 aluminium alloy wires	**Standards**	BS EN 50182, IEC 61089, ASTM B399
Section range	16–1000 mm²	**Max. temperature**	90 °C continuous
Stranding	7, 19, 37, 61, 91 wires	**Packing**	1000–3000 m on wooden or steel drums
Conductivity	52.5 % 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

ACSR Conductor	www.zmsoverheadcable.com/products/acsr-conductors/acsr-conductor/
AAC Conductor	www.zmsoverheadcable.com/products/aac-conductors/aac-conductor/
Back to AAAC conductors	www.zmsoverheadcable.com/products/aaac-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.

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