ACSR Conductor

BS 215-2 · ASTM B232

Aluminium conductor steel reinforced — the standard choice for overhead transmission and distribution lines where long spans and high tensile loads rule out homogeneous conductors.

SECTION RANGE	STRANDING	STEEL CORE	STANDARDS
25–1000 mm²	6/1 to 54/7 wires	Galvanised, grease optional	BS 215-2, ASTM B232, IEC 61089

TYPICAL APPLICATIONS

- HV and EHV transmission lines
- 11–33 kV distribution feeders
- River, valley and highway crossings
- Overhead ground wire (large sections)

CONSTRUCTION

- Hard-drawn aluminium wires (1350-H19), concentric lay
- Galvanised steel core, Class A coating as standard
- Stranding from 6/1 to 54/7 aluminium/steel wires
- Optional grease filling for coastal and industrial routes
- Right-hand outer lay, optional left-hand on request

TECHNICAL DATA

Conductor	Aluminium 1350-H19 over galvanised steel core	**Standards**	BS 215 Part 2, ASTM B232, IEC 61089, DIN 48204
Section range	25–1000 mm² (larger on request)	**Max. temperature**	75 °C normal / 90 °C emergency
Stranding	6/1, 6/7, 26/7, 30/7, 45/7, 54/7	**Packing**	1000–3000 m on wooden or steel drums
Steel coating	Zinc Class A (B/C optional)		

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/
ACAR Conductor	www.zmsoverheadcable.com/products/special-overhead-conductors/acar-conductor/
Back to ACSR conductors	www.zmsoverheadcable.com/products/acsr-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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