

SQUIRREL TO GOAT

ACSR Conductors

Aluminium Conductor Steel Reinforced to IS 398 (Part 2) — the full codeword ladder from Squirrel through Panther to Goat, stranded, tested and drummed on our own lines at 1,500 kilometres a month.

RANGE	OUTPUT	STANDARD
Squirrel – Goat	1,500 km a month	IS 398 (Part 2):1996



Stranding machine in the conductor hall

The line between the towers.

ACSR is the workhorse of Indian overhead distribution and transmission. It is also one of the two products that lets us quote a complete line package — tower, conductor, pole and transformer — rather than a part of one.

The table below is the IS 398 (Part 2) basis we manufacture and test against. One caution worth stating plainly: IS 398 Part 5 publishes the same codewords with resistance around 2–3% lower and breaking loads 2–3% higher. Mixing rows from the two parts is the easiest way for a utility QA engineer to catch an error, so we quote Part 2 throughout and say so.

1,500 km / month

Sustained stranding output.

IS 398 (Part 2)

One standard basis throughout — never mixed with Part 5.

Line package

Conductor, tower, pole and transformer from one supplier.

TRANSMISSION

Overhead transmission

Sub-transmission and transmission lines at 33 kV and above.

DISTRIBUTION

Distribution lines

11 kV and LT overhead distribution networks.

UTILITY

Rural electrification

Line construction under national programmes.

EXPORT

International supply

Supplied to IEC 61089 for overseas tenders.

Fields marked "On enquiry" are issued against a specific enquiry. Full specification, reference tables and fittings: aggarwalglobal.com/products/acsr-conductors.html

GENERAL

Product	Aluminium Conductor Steel Reinforced (ACSR)
Standard	IS 398 (Part 2):1996; IEC 61089 for export
Codewords	Squirrel, Gopher, Weasel, Ferret, Rabbit, Mink, Beaver, Raccoon, Cat, Dog, Dingo, Wolf, Lynx, Panther, Bear, Goat
Aluminium	EC grade aluminium wire, high UTS
Steel core	Galvanized steel wire
Monthly capacity	1,500 km
Drum length and packing	As per client requirement

QUALITY

Aluminium wire diameter tolerance	± 0.05 mm
Steel wire diameter tolerance	± 0.05 mm
Lay ratio	Per IS 398 (Part 2), verified per layer
Direction of lay	Per IS 398 (Part 2)
Galvanizing on steel core	Mass of zinc coating and uniformity to IS 4826
Test certificate	Issued per drum with the consignment

STANDARDS

IS 398 (Part 1)	Aluminium conductors for overhead transmission — general
IS 398 (Part 2):1996	Aluminium conductors, galvanized steel reinforced — the ACSR standard
IS 398 (Part 5)	Aluminium conductors, galvanized steel reinforced — an alternative basis with different resistance and UTS values
IEC 61089	Round wire concentric lay overhead electrical stranded conductors — the export equivalent
IS 4826	Galvanized coatings on round steel wires
IS 1778	Reels and drums for bare conductors



ENQUIRIES

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WORKS AND OFFICE

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Delivery as per the client's requirement, confirmed with the quotation. Ex Factory or FOB for export.