



1. STEEL-REINFORCED WIRE
2. ALUMINIUM CONDUCTOR

## NEELKANTH CABLES LIMITED

### DATA SHEET

#### ALUMINIUM CONDUCTORS, STEEL-REINFORCED (ACSR)

Cable Description : Aluminium Conductors, Steel-Reinforced for Overhead Transmission Line.

Make NEELKANTH CABLES LIMITED  
Reference Standard SANS 182-3, & BS 215-2

Range of Product 25 Sq.mm up to 1000 Sq.mm

#### APPLICATION

Aluminium Conductors,Steel-Reinforced (ACSR) can be used in Medium.High,Extra-High voltage transmission lines,also used for primary and secondary distribution lines,ACSR is most economical solution for overhead power transmission and distribution projects.

#### CONSTRUCTION

Aluminium Conductors,Steel Reinforced (ACSR)is a concentric lay stranded conductor consisting of galvanized steel central core with one more layers of hard drawn stranded aluminium sires laid helically over the steel core,Steel core wires are protected from corrosion by galvanization.

#### TECHNICAL DATA FOR HARD-DRAWN ALUMINIUM

1) VOLUME RESISTIVITY	0.028264 $\Omega \cdot m^2/m$
2) DENSITY	2.703 g/cm <sup>2</sup>
3) COEFFICIENT OF LINEAR EXPANSION	23 x 10 <sup>-6</sup> /°C

#### TECHNICAL DATA FOR GALVANIZED STEEL

1) DENSITY	7.80 g/cm <sup>2</sup>
2) COEFFICIENT OF LINEAR EXPANSION	11.5 x 10 <sup>-6</sup> /°C

#### Marking & Packing

Marking Over the Drum	NEELKANTH CABLES , CABLE SIZE, LENGTH OF CABLE, YEAR OF MANUFACTURING, GROSS WEIGHT, NET WEIGHT, ROLLING MARK (ROLL THIS WAY)
Cable Length	1000 Mtrs or as per Requirement
Type of Packing	Wooden Drum Fully Packed with Lagging

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