



ACSR CORE WIRE

CARRYING THE
NATION FORWARD
FROM THE CORE



ACSR - Aluminium

Conductor Steel

Reinforced is a concentrically stranded conductor consisting of 7 or more layers of aluminum wires with a high strength galvanized steel core. The steel core wire can be single or stranded.

Standard Specification

ACSR Core Wires (Aluminium Conductor Steel Reinforced) are of the highest quality, conforming to ASTM B 498/B 498M-19 for Single ACSR Core Wire & ASTM B500/B500M- 12 for Stranded ACSR Core Wire (Reapproved 2018).



ACSR Core Wires

 **BSRM**
ACSR
CORE WIRE

Production Line

BSRM Wires uses the latest, state of the art technology - based on Hot Dip Galvanising Production Line. The process consists of:

Wire Drawing:

Mechanical Descaling - Coating - Drawing.

Galvanizing:

Thermal Degreasing - Pickling - Fluxing - Galvanizing - Nitrogen Wiping - Waxing - Spooling.



ACSR core wire



BSRM Production plant

Specifications of BSRM ACSR Core Wires

Sizes of wires: Single Wires – 1.56, 1.68, 2.38, 2.68, 3.09, 3.15, 3.35, 3.37, 3.47, 4.77 mm

Strands – 7 X 1.57, 7 X 2.675, 7 X 3.09

TEST CENTRE

With comprehensive testing equipment and advanced testing techniques at every process, the test centre controls processing quality timely to ensure all parameters with strict standards to finish qualified products.

- Physical testing lab (Ensuring accurate diameter, GI coating thickness , and surface finish)
- Metallurgical testing facilities (Microstructure and material composition checking)
- Tensile testing m/cs (Tensile and breaking strength checking)

ACSR CORE WIRE : ASTM B 498/ B498M -19

DIAMETER	TOLERANCE	DIAMETER	STRESS AT 1% EXTENSION	ADHERANCE TEST.	TENSILE STRENGTH (UTS)	ELONGATION IN 250MM
(mm)	(mm)	(mm)	(Mpa.Min)	Ratio to mandrel dia	(Mpa.min)	(% min)
1.27-1.90 incl	+0.038/- 0.025	1.27-2.28 incl	1310	3	1450	3
1.91-3.04 incl	+0.051/- 0.051	2.29 -3.04 incl	1280	4	1410	3.5
3.05-3.55 incl	+0.076/- 0.051	3.05-3.55 incl	1240	5	1410	4
3.56 -4.82 incl	+0.102/- 0.076	3.56 -4.82 incl	1170	5	1380	4

Size Wise Zinc Coating Chart ASTM B498/B498 M-19

Size	Coating
(mm)	(GSM)
1.27-1.52 incl	183
1.53-1.90 incl	198
1.91-2.28 incl	214
2.29-2.64 incl	229
2.65-3.04 incl	244
3.05-3.55 incl	259
3.56-4.57 incl	274
4.58-4.82 incl	305

STANDARD COIL SPECIFICATION:

	SIZE	ID	OD	WIDTH	APPROX WEIGHT
		(MM)	(MM)	(MM)	(KG)
ACSR Core Wire (Single)	1.56	350	based on order.	485	based on order.
	1.68	350		485	
	2.38	350		485	
	2.68	350		485	
	3.09	350		485	
	3.15	350		485	
	3.35	350		485	
	3.37	350		485	
	3.47	350		485	
	4.77	350		485	
ACSR Core Wire (Stranded)	7 x 1.57	500	based on order.	550	based on order.
	7 x 2.675	700		695	
	7 x 3.09	800		770	

*Length tolerances as per standard
*Coil OD & weight will vary as per customer Purchase Order





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