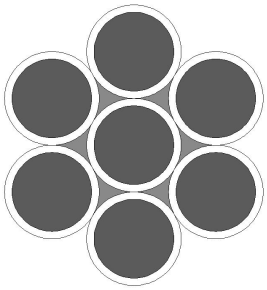
Aluminum-Clad Steel Stranded Conductor(ACS)

APPLICATION:

ACS – Aluminum-Clad Steel Conductor is a bimetallic material in which an aluminum layer continuously and uniformly covers steel core; it can be used as ground wire or shielding wire.



STANDARDS:

- ASTM B-416
- EN 50182
- IEC 61089

Qualification Certificate:

For more information, please visit our website:

https://www.huilicablegroup.com/acs-aluminum-clad-steel-conductor.html

CONSTRUCTION:

- Aluminum-Clad Steel Wires.
- Conductivity: 14%IACS, 20.3%IACS, 25%IACS, 27%IACS,30%IACS, 35%IACS, 40%IACS.

TECHNICAL PARAMETERS:

ALUMINUM CLAD STEEL CONDUCTOR(ACS) EN 50182

Code Name	Sectional Area	Stranding		Overall Diameter of Conductor	Weight	DC Resistance at20℃	Rated Strength
		No.of Wires	Individual wire Diameter				
	mm²	No.	mm	mm	Kg/km	Ω/Km	KN
24-A20SA	24.2	7	2.10	6.30	161.50	3.5364	32.49
34-A20SA	34.4	7	2.50	7.50	229.00	2.4953	46.04
49-A2OSA	49.5	7	3.00	9.00	329.70	1.7328	66.30
66-A20SA	65.8	19	2.10	10.50	441.00	1.3102	88.18
93-A20SA	93.3	19	2.50	12.50	624.90	0.9245	124.98
117-A20SA	117.0	19	2.80	14.00	783.90	0.7370	156.77
147-A2OSA	147.1	37	2.25	15.80	989.20	0.5881	197.13
182-A20SA	181.6	37	2.50	17.50	1221.20	0.4764	243.38
243-A2OSA	242.5	61	2.25	20.30	1636.10	0.3579	325.00

ALUMINUM CLAD STEEL CONDUCTOR(ACS) ASTM B416

Size Designation	Sectional Area	Stranding		Overall Diameter of Conductor	Weight	DC Resistance at20°C	Rated Strength
		No.of Wires	Individual wire Diameter				
	mm²	No.	AWG	mm	Kg/km	Ω/Km	KN
37 No.5 AWG	620.6	37	4.62	32.26	4169.82	0.1393	635.21
37 No.6 AWG	492.2	37	4.11	28.70	3306.69	0.1757	534.68
37 No.7 AWG	390.3	37	3.67	25.65	2622.14	0.2216	447.94
37 No.8 AWG	309.5	37	3.26	22.83	2080.45	0.2794	374.54
37 No.9 AWG	245.5	37	2.91	20.35	1648.88	0.3524	297.01
37 No.10 AWG	194.6	37	2.59	18.11	1308.09	0.4442	235.53
19 No.5 AWG	318.7	19	4.62	23.11	2128.07	0.2698	326.28
19 No.6 AWG	252.7	19	4.11	20.57	1687.57	0.3402	274.46
19 No.7 AWG	200.5	19	3.67	18.31	1338.60	0.4292	230.11
19 No.8AWG	159.0	19	3.26	16.31	1061.80	0.5410	192.34
19 No.9 AWG	126.1	19	2.91	14.53	842.00	0.6821	152.53
19 No.10 AWG	99.9	19	2.59	12.93	667.74	0.8603	120.95
7 No.5 AWG	117.4	7	4.62	13.87	781.14	0.7428	120.24
7 No.6 AWG	93.1	7	4.11	12.34	619.52	0.9197	101.11
7 No.7 AWG	73.9	7	3.67	11.00	491.09	1.1598	84.78
7 No.8 AWG	58.6	7	3.26	9.78	389.60	1.4627	70.86