


ALL ALUMINIUM CONDUCTORS




1350 H-19
Aluminum Wires

APPLICATIONS:

Used as bare overhead conductor for power distribution lines. Due to its poor strength to weight ratio, AAC has limited application in Transmission Lines. AAC is also extensively used in urban areas where spans are usually short, but high conductivity is required.

SPECIFICATIONS:

Anvil's bare All Aluminium Conductors meet the following specifications:

- ASTM B 230/231
- BS 215 : Part I
- DIN 48201
- IEC 1089

CONSTRUCTION:

This bare concentric-lay-stranded conductor, made from round electrolytic grade aluminum wires, is constructed with a central core surrounded by one or more layers of helically laid wires.



ANVIL CABLES PVT. LTD.

Manufacturers of Cables, Conductors, Earth / Stay Wires
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EMAIL : anvil.cal@vsnl.com WEB : www.anvilcables.com

ALL ALUMINIUM CONDUCTORS

GERMAN SIZES: DIN 48201

Conductor Size	Stranding (No./mm)	Calculated sectional area (mm ²)	Overall diameter (mm)	Weight (kg/km)	Ultimate Strength (kg)	Electrical resistance (Ω/km)
16	7/1.7	15.89	5.1	290	44	1.798
25	7/2.1	24.25	6.3	425	67	1.177
35	7/2.5	34.36	7.5	585	94	0.831
50	7/3.0	49.48	9.0	810	135	0.577
50	19/1.8	48.36	9.0	860	133	0.596
70	19/2.1	65.82	10.5	1150	181	0.438
95	19/2.5	93.27	12.5	1595	256	0.309
120	19/2.8	117.00	14.0	1910	322	0.246
150	37/2.25	147.10	15.7	2570	406	0.197
185	37/2.5	181.6	17.5	3105	501	0.160
240	61/2.25	242.5	20.2	4015	670	0.120
300	61/2.5	299.4	22.5	4850	827	0.0969
400	61/2.89	400.1	26.0	6190	1105	0.0703
500	61/3.23	499.8	29.1	7600	1381	0.0580
625	91/2.96	626.2	32.6	9690	1733	0.0462
800	91/3.35	802.1	36.8	12055	2219	0.0361
1000	91/3.74	999.7	41.1	14845	2766	0.0290



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