



SPECIFICATIONS AND STANDARDS

CCS wire meets or exceeds ASTM B228

CONSTRUCTION

CCS stranded Conductor is composed of copper clad steel. Solid or Concentric-lay-stranded conductors of copper-clad steel wires. A high strength steel wire with a 25% thick cross-section ratio of Copper cladding creating a high electrical conductivity, highly corrosive resistant and a thermal stability for high temperature operation and all with a lighter weight.



APPLICATIONS

CCS wire and CCS stranded Conductor is used in overhead electrical transmission and distribution for grounding electrical systems where high conductivity and flexibility is required. Suitable for numerous other applications.

This catalogue shows the most common sizes of Wire but other sizes, to any other standards or customer specification can also be supplied.

CCS Wire manufactured to ASTM-B228

No./size of strands	Structure No./mm	Cross-section mm ²	Rated strength kN			DC Resistance Ω/km		Approx. weight kg/km	
			Grade 40 HS	Grade 30 HS	Grade 30 EHS	Grade 40	Grade 30	Grade 30	Grade 40
3 No. 5	3/4.62	50.32	37.3	41.20	52.80	0.881	1.174	413.41	417.73
3 No.6	3/4.11	39.80	30.9	34.00	43.40	1.111	1.481	327.84	331.26
3 No. 7	3/3.67	31.65	25.5	28.00	35.30	1.401	1.867	259.39	262.66
3 No. 8	3/3.26	25.10	21.1	23.00	27.95	1.766	2.354	206.11	208.34
3 No. 9	3/2.91	19.90	17.1	18.90	22.80	2.227	2.969	163.55	165.19
3 No.10	3/2.59	15.78	14.3	15.60	18.50	2.808	3.744	129.62	130.99
3 No. 12	3/2.05	9.90	7.6	4.465	...	81.551	82.414
7 No. 4	7/5.19	148.10	99.3	110.30	130.90	0.300	0.400	1218.7	1231.5
7 No.5	7/4.62	117.40	82.4	91.10	109.70	0.378	0.504	966.41	976.53
7 No.6	7/4.11	93.10	68.2	75.20	91.00	0.477	0.636	766.25	774.29
7 No. 7	7/3.67	73.87	56.4	61.90	75.20	0.601	0.802	608.06	614.46
7 No.8	7/3.26	58.56	46.6	50.90	61.80	0.759	1.011	482.02	487.07
7 No. 9	7/2.91	46.44	38.4	41.20	50.20	0.956	1.275	382.16	386.18
7 No. 10	7/2.59	36.83	30.9	34.00	40.90	1.206	1.60	303.14	306.26
19 No. 5	19/4.62	318.70	223.50	247.20	297.60	0.140	0.187	2634	2660.8
19 No. 6	19/4.11	252.70	185.10	203.90	247.00	0.176	0.176	2087.9	2110.2
19 No. 7	19/3.67	200.40	153.00	167.90	204.00	0.222	0.297	1656.3	1674.2
19 No. 8	19/3.26	158.90	126.30	138.10	167.70	0.281	0.374	1313.6	1327.2
19 No. 9	19/2.91	126.10	104.10	113.50	136.20	0.354	0.471	1041.7	1052.6