

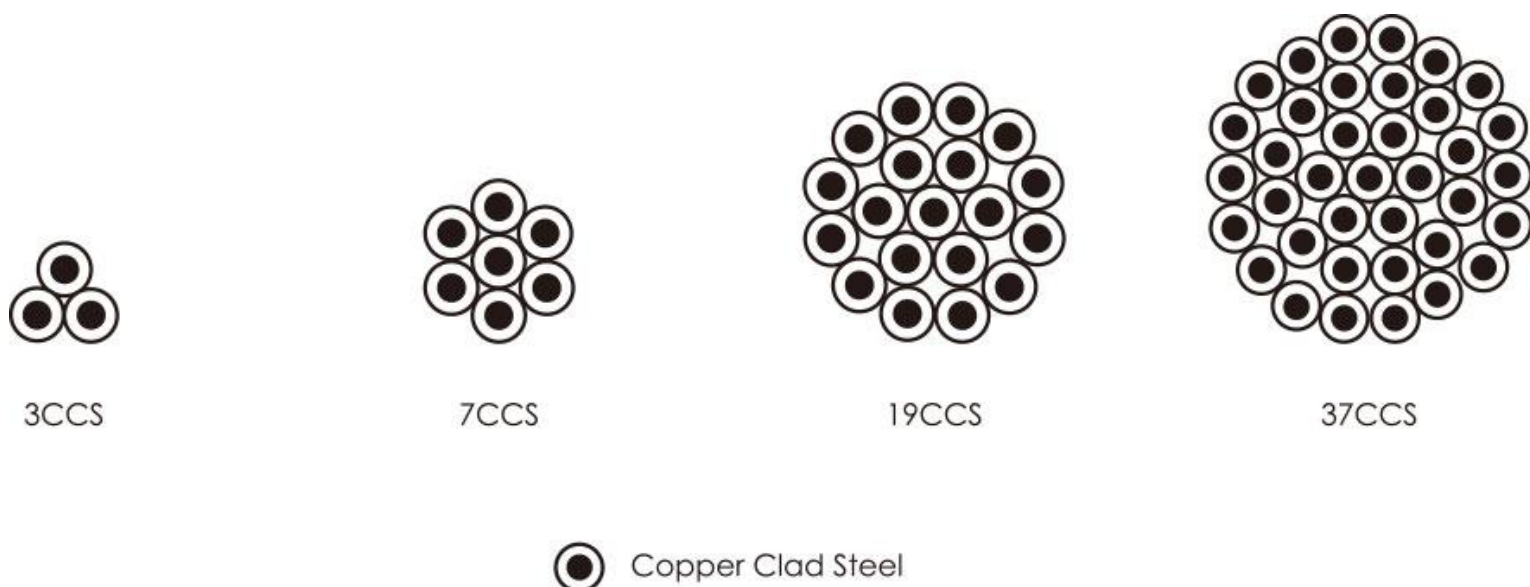
Application

Copper clad steel wire is composed of stranded copper clad monofilament, widely applied for grounding and lightning protection, electrostatic grounding protection, protective grounding, grounding wire of electrical and petrochemical system in areas covering high-frequency coaxial cable, electrified railway, metro, railways, airport, network communication etc. These wire and cables are available in 30% and 40% electric productivity based on different copper thickness.

Standard

Basic design to IEC standard

Construction



Construction Parameters

Size	Strands*single path	Diameter	Conductivity
mm ²		mm	%
10	7*1.4	4.2	18%—70%
16	7*1.7	5.1	18%—70%
25	7*2.14	6.42	18%—70%
35	7*2.52	7.356	
50	7*3.00	9	18%—70%
70	19*1.44	10.7	18%—70%
95	19*2.52	12.6	18%—70%
120	19*2.80	14	18%—70%
150	19*3.15	15.75	18%—70%
185	37*2.52	17.64	18%—70%

240	37*2.85	19.95	18%—70%
300	37*3.15	21.7	18%—70%

Nominal Sectional Area mm ²	structure Stock/diameter mm	Area mm ²	Breaking load kg			D.C. Resistance Ω/km		Line quality Kg/km	
			40HS	30HS	30EHS	40%	30%	30%	40%
320	19/4.62	318.71	22788	25206	30350	0.1399	0.1865	2634.0	2660.8
250	19/4.12	252.71	18849	20788	25188	0.1764	0.2352	2087.9	2110.2
200	19/3.67	200.45	15599	17118	20797	0.2225	0.2966	1656.3	1674.2
160	19/3.26	158.97	12873	14079	17096	0.2805	0.3740	1313.6	1327.2
120	19/2.91	126.06	10609	11567	13884	0.3537	0.4715	1041.7	1052.6
150	7/5.19	148.06	10120	11240	13349	0.3000	0.4000	1218.7	1231.5
120	7/4.62	117.42	8396	9285	11181	0.3783	0.5043	966.41	976.53
90	7/4.12	93.097	6954	7661	9280	0.4771	0.6359	766.25	774.29
70	7/3.67	73.871	5747	6309	7661	0.6014	0.8019	608.06	614.46
60	7/3.26	58.561	4745	5189	6300	0.7586	1.0109	482.02	487.07
50	7/2.91	46.439	3908	4261	5116	0.9564	1.2750	382.16	386.18
35	7/2.59	36.826	3230	3519	4171	1.2061	1.6077	303.14	306.26
50	3/4.62	50.322	3798	4201	5380	0.8809	1.1743	413.41	417.73
40	3/4.12	39.903	3145	3465	4424	1.1106	1.4807	327.84	331.26
30	3/3.67	31.645	2600	2854	3593	1.4007	1.8672	259.98	262.66
25	3/3.26	25.097	2145	2347	2849	1.7662	2.3544	206.11	208.34
20	3/2.91	19.903	1768	1928	2326	2.2271	2.9690	163.55	165.19
15	3/2.59	15.781	1461	1592	1887	2.8082	3.7436	129.62	130.99
10	3/2.05	9.929	1014			4.4654		81.55	82.414

