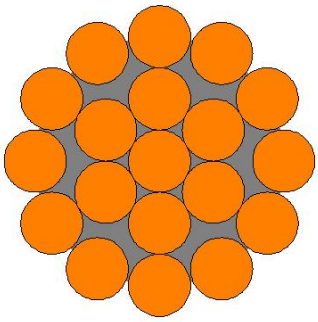
Bare Copper Conductor

APPLICATION:

Bare copper conductors used in electrical grounding systems offer superior flexibility.



STANDARDS:

- ASTM B-1
- BS EN 60228

Qualification Certificate:

For more information, please visit our website:

https://www.huilicablegroup.com/bare-copper-conductor.html

CONSTRUCTION:

- Class 2 Annealed Stranded Copper Conductor
- Class 5 Annealed Stranded Copper Conductor/Tinned Copper.

TECHNICAL PARAMETERS:

BARE COPPER CONDUCTOR BS EN 60228

Part Number	Conductor Construction				Conductor Resistance at 20°C	Current Ratting in air	Weight Approx.
	Size	No.of Strands	Strand Diameter	Conductor Diameter			
	Sq.mm	Nos.	mm	mm	Ω/km	Amps	kg/km
APC227	10	7	1.35	4.05	1.83	90	85
APC228	16	7	1.7	5.0	1.15	125	135
APC230	25	7	2.14	6.1	0.734	160	210
APC232	35	7	2.52	7.5	0.524	200	295
APC234	50	19	1.78	8.6	0.387	250	425
APC237	70	19	2.14	10.2	0.268	310	595
APC238	95	19	2.52	12.0	0.193	380	810
APC241	120	37	2.03	13.5	0.153	440	1020
APC242	150	37	2.25	15.0	0.124	510	1275
APC244	185	37	2.52	16.8	0.0991	585	1575
APC246	240	61	2.25	19.2	0.0754	700	2045
APC248	300	61	2.52	22.0	0.0601	800	2555
APC249	400	61	2.85	25.0	0.0470	900	3400
APC250	500	61	3.20	28.8	0.0366	1110	4260

BARE COPPER CONDUCTOR ASTM B-1

Size	No.of Strands	Hard-Drawn		Medium-Hard Drawn		Soft-Drawn		Outer Dia.	Net Weight	Ampacity
		Rated Strength	DC Resistance @20°C	Rated Strength	DC Resistance @20°C	Rated Strength	DC Resistance @20°C			
AWG/kcmil		lbs.	Ω/1000'	lbs.	Ω/1000'	lbs.	Ω/1000'	inches	lbs/kft	
10	7	492	1.06000	389	1.05400	314	1.01900	0.130	32.06	50
8	7	777	0.66630	610	0.66290	499	0.64080	0.146	51.0	95
6	7	1,228	0.41910	959	0.41690	794	0.40300	0.184	81.1	130
4	7	1,938	0.26360	1,505	0.26220	1,320	0.25340	0.232	128.9	170
3	7	2,433	0.20900	1,885	0.20790	1,670	0.20100	0.260	162.5	200
2	7	3,050	0.16600	2,360	0.16500	2,110	0.15780	0.292	204.9	230
1	7	3,801	0.13160	2,955	0.13090	2,552	0.12520	0.328	258.4	265
1/00	7	4,752	0.10420	3,705	0.10370	3,221	0.10020	0.368	325.8	310
1/00	19	4,752	0.10420	3,705	0.10370	3,221	0.10020	0.373	325.8	310
2/00	7	5,926	0.08267	4,640	0.08224	4,062	0.07949	0.414	410.9	355
2/00	19	6,690	0.08267	4,765	0.08224	4,024	0.07949	0.418	410.9	355
3/00	7	7,366	0.06556	5,812	0.06522	5,118	0.06304	0.464	518.1	410
3/00	19	7,698	0.06556	5,970	0.06522	5,074	0.06304	0.470	518.1	410
4/00	7	9,154	0.05199	7,278	0.05172	6,459	0.04999	0.522	653.3	480
4/00	19	9,617	0.05199	7,479	0.05172	6,453	0.04999	0.528	653.3	480
250	19	11,360	0.04400	8,836	0.04378	7,627	0.04231	0.574	771.9	530
250	37	11,600	0.04400	8,952	0.04378	7,940	0.04231	0.575	771.9	530
300	19	13,510	0.03667	10,530	0.03648	9,160	0.03526	0.628	926.3	590
300	37	—	—	—	—	—	—	0.630	926.3	—
350	19	15,590	0.03143	12,200	0.03127	10,680	0.03022	0.679	1,081	650
350	37	16,060	0.03143	12,450	0.03127	10,580	0.03022	0.681	1,081	650