

BARE CONDUCTOR



PT VOKSEL ELECTRIC Tbk.



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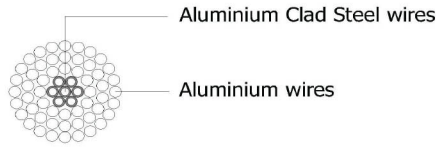
BARE CONDUCTOR

CONCENTRIC-LAY STRANDED CONDUCTOR, ALUMINIUM CLAD STEEL REINFORCED ACSR/AS (A1/SAIA)	1
ALUMINIUM CONDUCTOR STEEL REINFORCED ACSR (A1/S1B)	
CONCENTRIC-LAY STRANDED ALUMINIUM- CLAD STEEL CONDUCTOR (AS SAIA)	
THERMAL ALUMINIUM (THAL)	2
ALL ALUMINIUM CONDUCTOR (AAC)	
ALL ALUMINIUM ALLOY CONDUCTOR (AAAC)	5
BARE COPPER CONDUCTOR (BCC)	7



**CONCENTRIC-LAY STRANDED ALUMINIUM CONDUCTOR, ALUMINIUM CLAD STEEL REINFORCED
ACSR/AS (A1/SAIA)**

Specification : SPLN T3.001-1 : 2015, IEC 61089 : 1991

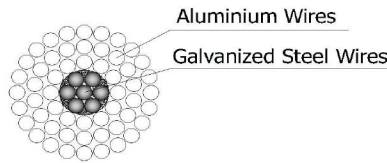


PHYSICAL AND ELECTRICAL PROPERTIES

Cross section area aluminium		No. of wire/dia		Approx. dia of conductor	Approx. net weight of conductor	Calculated breaking force (min)	D.C Resistance at 20 °C (max)	Current carrying capacity	Standard length per reel
Nominal size	Actual size	AL	AS						
mm ²	mm ²	n/mm	n/mm	mm	kg/km	kN	ohm/km	A	Meter
250	278	26/3.43	7/2.67	21.7	921.5	86.58	0.1154	600	2,000
450	492	54/3.21	7/3.21	28.9	1578.2	139.72	0.0642	845	2,000

**ALUMINIUM CONDUCTOR STEEL REINFORCED
ACSR (A1/S1B)**

Specification : SPLN T3.001-1 : 2007, IEC 61089 : 1991



PHYSICAL AND ELECTRICAL PROPERTIES

Cross section area aluminium		No. of wire/dia		Approx. dia of conductor	Approx. net weight of conductor	Calculated breaking force (min)	D.C Resistance at 20 °C (max)	Current carrying capacity	Standard length per reel
Nominal size	Actual size	AL	ST						
mm ²	mm ²	n/mm	n/mm	mm	kg/km	kN	ohm/km	A	Meter
250	291	26/3.50	7/2.72	22.2	1007.7	84.82	0.1155	603	2,000
450	508	54/3.26	7/3.26	29.3	1699.1	132.58	0.0643	845	2,000

**CONCENTRIC-LAY STRANDED ALUMINIUM-CLAD STEEL CONDUCTOR
AS SAIA)**

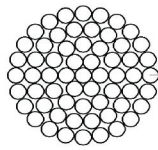
Specification : IEC 61232 : 1993, IEC 61089 : 1991, ASTM B 415 & ASTM B 416



PHYSICAL AND ELECTRICAL PROPERTIES

Cross section area aluminium		No. of wire/dia	Approx. dia of conductor	Approx. net weight of conductor	Calculated breaking force (min)	D.C Resistance at 20 °C (max)	Standard length per reel
Nominal size	Actual size	AS					
mm ²	mm ²	n/mm	mm	kg/km	kN	ohm/km	Meter
55	56.29	7/3.20	9.6	375	67.96	1.53	2,000
70	67.35	7/3.50	10.5	448	78.45	1.27	2,000
95	93.27	19/2.50	12.5	626	121.39	0.925	2,000

**THERMAL ALUMINIUM
THAL**
Specification : JEC 197, IEC 61089 & IEC 62004



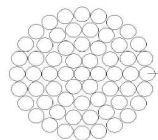
Thermal Aluminium

Construction Data

Conductor size mm ²	Stranding	Calculated Sectional area	Overall diameter	Weight (approx.)	Ultimate Strength	Calculated D.C resistance at 20°C	Rated current (at 150 °C)
	no / mm	mm ²	mm	kg / km	kg	Ω / km	Ampere
240	19 / 4.0	238.8	20.0	654.5	3,490	0.1220	897
400	37 / 3.7	397.8	25.9	1,097.0	5,890	0.0737	1,258
510	37 / 4.2	512.5	29.4	1,413.0	7,460	0.0571	1,491
660	61 / 3.7	655.8	33.3	1,812.0	9,720	0.0448	1,753
850	61 / 4.2	844.9	37.8	2,334.0	12,300	0.0347	2,073
980	91 / 3.7	978.3	40.7	2,716.0	14,500	0.0302	2,272
1,030	91 / 3.8	1,032.0	41.8	2,864.0	15,320	0.0286	2,353
1,260	91 / 4.2	1,260.0	46.2	3,499.0	18,350	0.0234	2,672
1,600	127 / 4.0	1,596.0	52.0	4,440.0	23,320	0.0186	3,083
2,020	127 / 4.5	2,019.0	58.5	5,616.0	29,490	0.0147	3,540
2,500	127 / 5.0	2,494.0	65.0	6,937.0	36,350	0.0118	3,988

**ALL ALUMINIUM CONDUCTOR
AAC**

Specification : ASTM B 231 - 90 (Class A and Class AA)

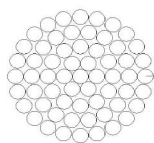


ALL ALUMINIUM CONDUCTOR

American Sizes ASTM B 231-90 (Class A and Class AA)

Code name	Total Area		Stranding & Wire Diameter	Approximate Overall Diameter	Approximate Weight	Breaking Load	DC Resistance at 20°C	Current Rating
	AWG or MCM	mm ²						
Peachbell	6.0	13.30	7/1.56	4.68	36.6	2.53	2.1690	72
Rose	4.0	21.10	7/1.96	5.88	58.2	3.91	1.3620	104
Iris	2.0	33.60	7/2.47	7.41	92.6	5.99	0.8574	136
Pansy	1.0	42.40	7/2.78	8.34	116.6	7.30	0.6801	157
Poppy	1/0.0	53.50	7/3.12	9.36	147.2	8.84	0.5390	180
Aster	2/0.0	67.40	7/3.50	10.50	185.7	11.10	0.4276	207
Phlox	3/0.0	85.00	7/3.93	11.79	233.9	13.50	0.3390	237
Oxliip	4/0.0	107.20	7/4.42	13.26	295.2	17.00	0.2688	273
Valerian	250.0	126.70	19/2.91	14.55	348.6	20.70	0.2275	305
Sneezewoort	250.0	126.70	7/4.80	14.40	348.6	20.10	0.2275	300
Laurel	266.8	135.20	19/3.10	15.05	372.2	22.10	0.2133	317
Daisy	266.8	135.20	7/4.96	14.88	372.2	21.40	0.2133	313

**ALL ALUMINIUM CONDUCTOR
AAC**
Specification : ASTM B 231 - 90 (Class A and Class AA)

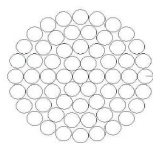


ALL ALUMINIUM CONDUCTOR

American Sizes ASTM B 231-90 (Class A and Class AA)

Code name	Total Area		Stranding & Wire Diameter	Approximate Overall Diameter	Approximate Weight	Breaking Load	DC Resistance at 20°C	Current Rating
	AWG or MCM	mm ²						
Peony	300.0	152.00	19/3.19	15.95	418.3	24.30	0.1896	340
Tulip	336.4	170.50	19/3.38	16.90	469.5	27.30	0.1695	364
Daffodil	350.0	177.30	19/3.45	17.25	487.9	28.40	0.1695	373
Canna	397.5	201.40	19/3.67	18.35	554.9	31.60	0.1432	401
Goldentuft	450.0	228.00	19/3.91	19.55	627.6	35.00	0.1264	132
Syringa	477.0	242.00	37/2.88	20.16	664.8	38.60	0.1193	449
Cosmos	477.0	242.00	19/4.02	20.10	664.8	37.00	0.1193	447
Hyacinth	500.0	253.30	37/2.95	20.65	696.8	40.50	0.1137	461
Zinnia	500.0	253.30	19/4.12	20.60	697.1	38.90	0.1137	459
Dahlia	556.5	282.00	19/4.35	21.75	775.8	43.30	0.1023	489
Mistletoe	556.5	282.00	37/3.12	21.84	775.7	44.30	0.1023	493
Meadowsweet	600.0	304.00	37/3.23	22.61	836.3	47.50	0.0948	513
Orchid	636.0	323.30	37/3.33	23.31	886.9	50.40	0.0893	531
Heuchera	650.0	329.40	37/3.37	23.59	907.4	51.70	0.0875	538
Flag	700.0	354.70	61/2.72	24.48	975.8	57.10	0.0813	563
Varbena	700.0	354.70	37/3.49	24.43	975.7	55.40	0.0813	562
Nasturtium	715.5	362.60	61/2.75	24.75	998.5	58.40	0.0795	570
Violet	715.5	362.60	37/3.53	24.71	998.5	56.70	0.0795	570
Cattail	750.0	380.00	61/2.82	25.38	1046.0	60.30	0.0759	586
Petunia	750.0	380.00	37/3.62	25.34	1046.0	58.60	0.0759	585
Lilac	795.0	402.80	61/2.90	26.10	1110.0	63.80	0.0715	607
Arbustus	795.5	402.80	37/3.72	26.04	1109.0	61.80	0.0715	605
Snapdragon	900.0	456.00	61/3.09	27.81	1256.0	70.80	0.0632	653
Cockscomb	900.0	456.00	37/3.96	27.72	1256.0	68.40	0.0632	651
Goldenrod	954.0	483.40	61/3.18	28.62	1331.0	75.00	0.0596	675
Magnolia	954.0	483.40	37/4.08	28.56	1331.0	72.60	0.0596	674
Camellia	1000.0	506.70	61/3.25	29.25	1394.0	78.30	0.0596	693
Hawkweed	1000.0	506.70	37/4.18	29.26	1395.0	76.20	0.0596	693
Larkspur	1033.5	523.70	61/3.31	29.79	1442.0	81.30	0.0550	707
Bluebell	1033.5	523.70	37/4.25	29.75	1441.0	78.80	0.0550	706
Marigold	1113.0	564.00	61/3.43	30.87	1553.0	87.30	0.0511	738
Hawthorn	1192.5	604.20	61/3.55	31.95	1662.0	93.50	0.0447	769
Narcissus	1272.0	644.50	61/3.67	33.03	1774.0	98.10	0.0447	797
Columbine	1351.0	694.80	61/3.78	34.02	1884.0	104.00	0.0421	825
Carnation	1431.0	725.10	61/3.89	35.01	1997.0	108.00	0.0398	854
Gladiolus	1510.0	765.41	61/4.00	36.00	2108.0	114.00	0.0376	881
Coreopsis	1590.0	805.70	61/4.10	36.90	2216.0	120.00	0.0358	907
Jessamine	1750.0	886.70	61/4.30	38.70	2442.0	132.00	0.0325	959
Cowslip	2000.0	1013.00	91/3.77	41.47	2787.0	153.00	0.0284	1035
Sagebrush	2250.0	1140.00	91/3.99	43.89	3166.0	167.00	0.0255	1108
Lupine	2500.0	1267.00	91/4.21	46.31	3519.0	186.00	0.0230	1178
Bitterroot	2750.0	1393.00	91/4.42	48.62	3872.0	205.00	0.0209	1242
Trillium	3000.0	1520.00	127/3.90	50.70	4226.0	223.00	0.0191	1308
Bluebonnet	3500.0	1773.00	127/4.22	54.86	4977.0	261.00	0.0166	1425

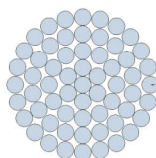
ALL ALUMINIUM CONDUCTOR
AAC
Specification : SPLN 41-6:1981



ALL ALUMINIUM CONDUCTOR

AAC							
PHYSICAL PROPERTIES					ELECTRICAL PROPERTIES		
Cross Sectional Area		Number and Diameter Wire	Approx. Overall Diameter	Approx. Net Weight	Calculated Breaking Force	DC. Resistance at 20°C	Current Carrying Capacity
Nominal Size	Actual Size						
mm ²	mm ²	n/mm	mm	kg/km	kg	ohm/km	A
16	16.84	7/1.75	5.25	45	310	1.700	110
25	27.83	7/2.25	6.75	76	490	1.029	145
35	34.36	7/2.50	7.50	94	590	0.833	180
50	49.48	7/3.00	9.00	135	810	0.579	225
50	45.70	19/1.75	8.75	126	835	0.630	225
55	58.07	7/3.25	9.75	160	935	0.493	235
70	75.55	19/2.25	11.25	208	1,040	0.381	270
95	93.27	19/2.50	12.50	257	1,560	0.308	340
100	99.30	7/4.25	12.75	272	1,540	0.288	350
120	112.85	19/2.75	13.75	310	1,890	0.255	390
150	157.62	19/3.25	16.25	434	2,530	0.183	455
150	147.12	37/2.25	15.75	406	2,575	0.196	455
185	111.63	37/2.50	17.50	501	3,110	0.159	520
200	189.85	19/3.75	18.75	557	3,290	0.137	565
240	242.54	61/2.25	20.25	670	4,020	0.119	625
240	238.76	19/4.00	20.00	657	3,700	0.121	625
300	299.44	61/2.50	22.50	827	4,850	0.097	710
400	431.18	61/3.00	27.00	1,191	6,675	0.067	855
500	506.04	61/3.25	29.25	1,398	7,700	0.057	990
630	643.24	91/3.00	33.00	1,782	9,960	0.045	1,140
800	754.92	91/3.25	35.75	2,091	11,480	0.038	1,340
1,000	1,005.07	91/3.75	41.25	2,784	14,925	0.029	1,540

**ALL ALUMINIUM ALLOY CONDUCTOR
AAAC
Specification : ASTM B 399:2004**

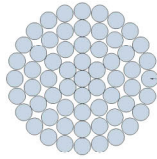


ALL ALUMINIUM ALLOY CONDUCTOR

Total Area			Number / Diameter of Wire	Approximate Overall Diameter	Approximate Weight	Breaking Load	DC Resistance at 20°C	Current Rating
cmil	AWG	mm ²						
1 750 000	...	886	61/4.3	38.70	2431	251	0.03781	1328
1 500 000	...	759	61/3.98	35.82	2082	215	0.04414	1223
1 250 000	...	631	61/3.63	32.67	1732	179	0.05306	1104
1 000 000	...	508	37/4.18	29.26	1393	146	0.06597	972
900 000	...	456	37/3.96	27.72	1250	131	0.07351	910
800 000	...	404	37/3.73	26.11	1109	116	0.08285	846
750 000	...	381	37/3.62	25.34	1045	109	0.08796	816
700 000	...	354	37/3.49	24.43	971.2	101	0.09464	781
650 000	...	330	37/3.37	23.59	905.5	94.9	0.10150	746
600 000	...	303	37/3.23	22.61	831.9	91	0.11049	708
550 000	...	279	37/3.10	21.70	766.2	83.9	0.11995	672
500 000	...	253	19/4.12	20.60	695	74.2	0.13224	631
450 000	...	228	19/3.91	19.55	626	66.8	0.14683	591
400 000	...	203	19/3.69	18.45	557.5	59.5	0.16486	549
350 000	...	178	19/3.45	17.25	487.3	52.0	0.18860	503
300 000	...	152	19/3.19	15.95	416.7	46.6	0.22059	455
250 000	...	126	19/2.91	14.55	346.7	38.8	0.26509	405
211 600	0000	107	7/4.42	13.26	294.7	32.5	0.31188	363
167 800	000	84.9	7/3.93	11.79	233	25.7	0.39450	313
133 100	00	67.3	7/3.5	10.5	184.8	20.4	0.49738	269
105 600	0	53.5	7/3.12	9.36	146.8	17.0	0.62592	232
66 360	2	33.5	7/2.47	7.41	92	10.6	0.99870	172
41 740	4	21.1	7/1.96	5.88	57.9	6.69	1.58600	128
26 240	6	13.2	7/1.55	4.65	36.2	4.18	2.53610	95

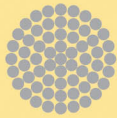
**ALL ALUMINIUM ALLOY CONDUCTOR
AAAC**

Specification : SPLN 41-8:1981



ALL ALUMINIUM ALLOY CONDUCTOR

AAAC							
PHYSICAL PROPERTIES				ELECTRICAL PROPERTIES			
Cross Sectional Area		Number and Diameter Wire	Approx.Overall Diameter	Approx. Net Weight	Calculated Breaking Force	DC. Resistance at 20°C	Current Carrying Capacity
Nominal Size	Actual Size						
mm ²	mm ²	n/mm	mm	kg/km	kg	ohm/km	A
16	16.84	7/1.75	5.25	45	480	1.955	105
25	27.83	7/2.25	6.75	76	790	1.183	135
35	34.36	7/2.50	7.50	94	980	0.958	170
50	49.48	7/3.00	9.00	135	1,410	0.665	210
50	45.70	19/1.75	8.75	126	1,300	0.724	210
55	58.07	7/3.25	9.75	160	1,655	0.567	220
70	75.55	19/2.25	11.25	208	2,150	0.438	255
95	93.27	19/2.50	12.50	257	2,660	0.355	320
100	99.30	7/4.25	12.75	272	2,830	0.332	325
120	112.85	19/2.75	13.75	310	3,220	0.293	365
150	157.62	19/3.25	16.25	434	4,490	0.210	425
150	147.12	37/2.25	15.75	406	4,190	0.225	425
185	181.60	37/2.50	17.50	501	5,175	0.183	490
240	238.76	19/4.00	20.00	657	6,805	0.137	585
240	242.54	61/2.25	20.25	670	6,910	0.139	585
300	299.44	61/2.50	22.50	827	8,530	0.111	670
400	431.18	61/3.00	27.00	1,191	12,290	0.077	810
500	506.04	61/3.25	29.25	1,398	14,420	0.066	930
630	643.24	91/3.00	33.00	1,782	18,330	0.052	1,085
800	754.92	91/3.25	35.75	2,091	21,515	0.044	1,255
1,000	1,005.07	91/3.75	41.25	2,784	28,640	0.033	1,450



**ALL ALUMINIUM ALLOY CONDUCTOR
AAAC**
Specification : ASTM B 399:2004



Total Area			Number / Diameter of Wire	Approximate Overall Diameter	Approximate Weight	Breaking Load	DC Resistance at 20°C	Current Rating
cmil	AWG	mm ²						
1 750 000	...	886	61/4.3	38.70	2431	251	0.03781	1328
1 500 000	...	759	61/3.98	35.82	2082	215	0.04414	1223
1 250 000	...	631	61/3.63	32.67	1732	179	0.05306	1104
1 000 000	...	508	37/4.18	29.26	1393	146	0.06597	972
900 000	...	456	37/3.96	27.72	1250	131	0.07351	910
800 000	...	404	37/3.73	26.11	1109	116	0.08285	846
750 000	...	381	37/3.62	25.34	1045	109	0.08796	816
700 000	...	354	37/3.49	24.43	971.2	101	0.09464	781
650 000	...	330	37/3.37	23.59	905.5	94.9	0.10150	746
600 000	...	303	37/3.23	22.61	831.9	91	0.11049	708
550 000	...	279	37/3.10	21.70	766.2	83.9	0.11995	672
500 000	...	253	19/4.12	20.60	695	74.2	0.13224	631
450 000	...	228	19/3.91	19.55	626	66.8	0.14683	591
400 000	...	203	19/3.69	18.45	557.5	59.5	0.16486	549
350 000	...	178	19/3.45	17.25	487.3	52.0	0.18860	503
300 000	...	152	19/3.19	15.95	416.7	46.6	0.22059	455
250 000	...	126	19/2.91	14.55	346.7	38.8	0.26509	405
211 600	0000	107	7/4.42	13.26	294.7	32.5	0.31188	363
167 800	000	84.9	7/3.93	11.79	233	25.7	0.39450	313
133 100	00	67.3	7/3.5	10.5	184.8	20.4	0.49738	269
105 600	0	53.5	7/3.12	9.36	146.8	17.0	0.62592	232
66 360	2	33.5	7/2.47	7.41	92	10.6	0.99870	172
41 740	4	21.1	7/1.96	5.88	57.9	6.69	1.58600	128
26 240	6	13.2	7/1.55	4.65	36.2	4.18	2.53610	95



**GALVANIZED STEEL WIRE STRANDS
GSW**
Specification : JIS G 3537:1994



Cross Section area		No. of wire/ Diameter	Aprox. overall Diameter	Tensile load of stand	Approx. net weight of conductor	Standard length per reel	Before Stranding					
Nominal Size	Actual Size						wire dia. Tolerance	Tensile load	Elongation	Weight of zinc coating	No. of torsion	Wrap test
mm ²	mm ²	No/mm	mm	Ton	kg/km	mm	mm	kg	%	g/mm ²	No.	
6	5.5	7/1.0	3.0	0.631	43.5	2000	±0.05	98	2.0	110	18	6x15d
8	7.9	7/1.2	3.6	0.908	62.7	2000	±0.05	141	2.0	110	18	
10	10.8	7/1.4	4.2	1.24	85.3	2000	±0.05	192	2.0	130	18	
14	14.1	7/1.6	4.8	1.62	111	2000	±0.05	251	2.0	130	18	
16	17.8	7/1.8	5.4	2.05	141	2000	±0.06	318	3.0	160	16	
22	22.0	7/2.0	6.0	2.53	174	2000	±0.06	393	3.0	160	16	
25	29.1	7/2.3	6.9	3.34	230	2000	±0.06	519	3.0	200	16	
35	37.2	7/2.6	7.8	4.28	294	2000	±0.08	664	3.0	200	16	
50	46.2	7/2.9	8.7	5.32	366	2000	±0.08	826	3.0	230	14	
55	56.3	7/3.2	9.6	6.50	446	2000	±0.80	1010	4.0	230	14	
70	67.3	7/3.5	10.5	7.73	533	2000	±0.10	1200	4.0	250	14	
80	79.3	7/3.8	11.4	9.14	628	1000	±0.10	1420	4.0	250	14	
95	88.0	7/4.0	12.0	10.10	696	1000	±0.10	1570	4.0	250	14	
100	102.0	7/4.3	12.9	11.70	805	1000	±0.10	1820	4.0	270	12	
120	111.0	7/4.5	13.5	12.80	881	1000	±0.10	1990	4.0	270	12	
135	137.0	7/5.0	15.0	15.80	1090	1000	±0.10	1450	4.0	270	12	

**BARE COPPER CONDUCTOR HARD (BCC - H)
SPLN 41-5:1981 & SNI 04-3894:1995**

**BARE COPPER CONDUCTOR 1/2 HARD (BCC-1/2H)
SPLN 41-4:1981 & SNI 04-3895:1995**



DIMENSIONAL & MECHANICAL DATA

Cross Sectional Area		No. of Wire / Diameter	Approx. Overall Diameter	Approx. Net Weight of Conductor
Nominal Size	Actual Size			
mm ²	mm ²	n/mm	mm	kg/km
6	6.16	1/2.80	3	54
10	9.62	1/3.50	4	83
10	10.02	7/1.35	4	84
16	15.89	7/1.70	5	136
25	24.25	7/2.10	6	208
35	34.36	7/2.50	8	298
50	48.36	19/1.80	9	416
70	65.82	19/2.10	11	566
95	93.27	19/2.50	13	809
120	117.00	19/2.80	14	1,021
150	147.10	37/2.25	16	1,270
185	181.60	37/2.50	18	1,577
240	242.50	61/2.25	20	2,085
300	299.40	61/2.50	23	2,600
400	400.10	61/2.89	26	3,479
500	499.10	61/3.23	29	4,366



ELECTRICAL DATA

Cross Sectional Area		Max. DC Conductor Resistance at 20°C		Calculated Breaking Force		Current Carrying Capacity
Nominal Size	Actual Size	Ohm/km		N		
mm ²	mm ²	BCC-H	BCC-1/2H	BCC-H	BCC-1/2H	A
6	6.16	2.8994	2.8961	2,428	1,918	71
10	9.62	1.8565	1.8545	3,706	2,944	90
10	10.02	1.8181	1.8160	4,049	3,228	90
16	15.89	1.1465	1.1452	6,421	5,077	125
25	24.25	0.7512	0.7504	9,668	7,661	160
35	34.36	0.5302	0.5296	13,545	10,762	200
50	48.36	0.3785	0.3781	19,281	15,407	250
70	65.82	0.2781	0.2778	26,242	20,793	310
95	93.27	0.1963	0.1961	36,767	29,212	380
120	117.00	0.1565	0.1563	46,121	36,434	440
150	147.10	0.1244	0.1243	58,649	46,337	510
185	181.60	0.1008	0.1007	71,587	56,877	585
240	242.50	0.0755	0.0754	96,685	76,388	700
300	299.40	0.0611	0.0611	118,023	93,772	800
400	400.10	0.0458	0.0457	157,719	124,321	960
500	499.10	0.0367	0.0366	194,050	154,072	1,110

HARD DRAWN COPPER STRANDED CONDUCTORS BS 7884:1997



Nominal area of cross-section of stranded conductor mm ²	Construction (stranding and wire diameter) number/mm	Overall diameter of conductor (approx.) mm	Nominal mass per unit length kg/km	Resistance at 20°C		Minimum breaking load N
				Nominal Ω/km	Max. Ω/km	
10	7/1.35	4.05	89.82	1.788	1.829	3752
14	7/1.60	4.80	126.2	1.273	1.303	5267
16	3/2.65	5.70	148.3	1.082	1.106	6194
16	7/1.70	5.10	142.4	1.128	1.154	5946
25	7/2.10	6.30	217.3	0.7391	0.7563	9073
32	3/3.75	8.06	296.9	0.5405	0.5520	12400
32	7/2.46	7.38	298.2	0.5386	0.5497	12442
35	7/2.50	7.50	308.0	0.5215	0.5337	12860
50	7/3.00	9.00	443.5	0.3622	0.3706	18520
50	19/1.80	9.00	435.8	0.3727	0.3819	17700
70	7/3.55	10.65	621.1	0.2586	0.2646	25930
70	19/2.10	10.50	593.2	0.2738	0.2806	24090
95	19/2.50	12.50	840.7	0.1932	0.1980	34140
100	7/4.30	12.90	911.2	0.1763	0.1810	36540
120	19/2.80	14.00	1055	0.1540	0.1578	42830
125	19/2.90	14.50	1131	0.1436	0.1471	45940
150	19/3.20	16.00	1377	0.1180	0.1208	55940
150	37/2.25	15.75	1334	0.1233	0.1264	53880
185	19/3.55	17.75	1695	0.09582	0.09815	68860
185	37/2.50	17.50	1647	0.09981	0.1024	66490

NOTE 1. Resistance values are calculated from a resistivity of $0.01777 \mu\Omega \cdot m$ at 20°C. Nominal resistance is calculated from the nominal diameter and mean lay ratio. Maximum resistance is calculated from minimum diameter and minimum lay ratio.

NOTE 2. Minimum breaking load is based on the sum of the minimum breaking loads of the component wires shown in table 2, multiplied by a factor of 0.92 for three and seven wire standards and 0.90 for nineteen and thirty-seven wire strands.

NOTE 3. Nominal mass per unit length has been calculated using a density of 8890 kg/m^3 .

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