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Helpful reference tables

Reference Tables

Australian Standard Metric Conductors

AAC - All Aluminium Conductor - AS1531

Metric						Imperial		
Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Code Name	Stranding	O.D. Inches
Gemini	7/1.75	5.25	16.6	16.84	3.01	Bug	7/064	0.192
Jupiter	7/2.25	6.75	27.5	27.83	4.76	Locust	7/093	0.279
Leo	7/2.50	7.50	33.9	34.36	5.71	-	-	-
Leonids	7/2.75	8.25	41.1	41.58	6.72	-	-	-
Libra	7/3.00	9.00	48.9	49.48	7.98	Grub	7/118	0.354
Mars	7/3.75	11.3	76.3	77.28	11.8	-	7/144	0.432
Mercury	7/4.50	13.5	110	111.3	16.9	Wasp	7/173	0.519
Moon	7/4.75	14.3	122	124.0	18.9	-	7/186	0.558
Neptune	19/3.25	16.3	154	157.6	24.7	Hornet	19/128	0.640
Orion	19/3.50	17.5	180	182.80	28.7	-	-	-
Pluto	19/3.75	18.8	206	209.8	31.9	Chafer	19/149	0.745
Saturn	37/3.00	21.0	256	261.60	42.2	Cockroach	19/166	0.830
Sirius	37/3.25	22.8	301	307.00	48.2	-	-	-
Taurus	19/4.75	23.8	331	336.7	51.3	Butterfly	19/183	0.915
Triton	37/3.75	26.3	400	408.50	62.2	Centipede	37/149	1.043
Uranus	61/3.25	29.3	495	506.10	75.2	Scorpion	37/168	1.176
Ursula	61/3.50	31.5	574	586.90	87.3	-	-	-
Venus	61/3.75	33.8	659	673.40	97.2	Cicada	37/183	1.281
Virgo	91/4.50	49.5	1410	1447	207	-	-	-

Reference Tables

Australian Standard Metric Conductors

AAAC - All Aluminium Alloy Conductor - AS1531

Metric						Imperial		
Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Code Name	Stranding	O.D. Inches
Agate	7/1.75	5.25	14.3	16.84	4.71	Bug	7/064	0.192
Amethyst	7/2.25	6.75	23.7	27.83	7.78	Locust	7/093	0.279
Diamond	7/2.50	7.50	29.3	34.36	9.64	-	-	-
Dolomite	7/2.75	8.25	35.4	41.58	11.6	-	-	-
Emerald	7/3.00	9.00	42.2	49.48	13.9	Grub	7/118	0.354
Garnet	7/3.75	11.3	65.8	77.28	21.7	-	7/144	0.432
Jade	7/4.50	13.5	94.8	111.3	31.2	Wasp	7/173	0.519
Jasper	7/4.75	14.3	106	124.0	34.8	-	7/186	0.558
Opal	19/3.25	16.3	134	157.6	44.2	Hornet	19/128	0.640
Patronite	19/3.50	17.5	155	182.80	51.3	-	-	-
Pearl	19/3.75	18.8	178	209.8	58.8	Chafer	19/149	0.745
Ruby	37/3.00	21.0	221	261.60	73.5	Cockroach	19/166	0.830
Ruthenium	37/3.25	22.8	260	307.00	86.1	-	-	-
Rutile	19/4.75	23.8	285	336.7	94.4	Butterfly	19/183	0.915
Sapphire	37/3.75	26.3	345	408.50	115	Centipede	37/149	1.043
Spinel	61/3.25	29.3	427	506.10	135	Scorpion	37/168	1.176
Tantalum	61/3.50	31.5	495	586.90	156	-	-	-
Topaz	61/3.75	33.8	568	673.40	179	Cicada	37/183	1.281
Zircon	91/4.50	49.5	1220	1447	384	-	-	-

Reference Tables

Australian Standard Metric Conductors

AAAC 1120 - All Aluminium Alloy Conductor - AS1531

Metric						Imperial		
Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Code Name	Stranding	O.D. Inches
Argon	7/1.75	5.25	16	16.84	4	Bug	7/0.064	0.192
Boron	7/2.25	6.75	26.5	27.83	6.61	Locust	7/0.093	0.279
Chlorine	7/2.50	7.50	32.8	34.36	8.18	-	-	-
Chromium	7/2.75	8.25	39.7	41.58	9.91	-	-	-
Fluorine	7/3.00	9.00	47.2	49.48	11.8	Grub	7/0.118	0.354
Helium	7/3.75	11.3	73.7	77.28	17.6	Blue-Bottle	7/0.144	0.432
Hydrogen	7/4.50	13.5	106	111.3	24.3	Wasp	7/0.173	0.519
Iodine	7/4.75	14.3	118	124.0	27.1	-	7/0.186	0.558
Krypton	19/3.25	16.3	150	157.6	37.4	Hornet	19/0.128	0.640
Lutetium	19/3.50	17.5	173	182.80	41.7	-	-	-
Neon	19/3.75	18.8	199	209.8	47.8	Chafer	19/0.149	0.745
Nitrogen	37/3.00	21.0	248	261.60	62.2	Cockroach	19/0.166	0.830
Nobelium	37/3.25	22.8	291	307.00	72.8	-	-	-
Oxygen	19/4.75	23.8	320	336.7	73.6	Butterfly	19/0.183	0.915
Phosphorus	37/3.75	26.3	387	408.50	93.1	Centipede	37/0.149	1.043
Selenium	61/3.25	29.3	478	506.10	114	Scorpion	37/0.168	1.176
Silicon	61/3.50	31.5	555	586.90	127	-	-	-
Sulfur	61/3.75	33.8	636	673.40	145	Cicada	37/0.183	1.281
Xenon	91/4.50	49.5	1360	1447	300	-	-	-

Reference Tables

Australian Standard Metric Conductors

ACSR/GZ - Aluminium Conductor (Galvanised) Steel Reinforced - AS3607

Metric						Imperial		
Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Code Name	Stranding	O.D. Inches
Almond	6/1/2.50	7.50	29.0	34.36	10.5	Gopher	6/1/093	0.279
Apple	6/1/3.00	9.00	41.8	49.48	14.9	Ferret	40549	8.354
Banana	6/1/3.75	11.3	65.2	77.31	22.8	Mink	6/1/144	0.432
Cherry	6/4.75 + 7/1.60	14.3	105	120.4	33.2	Dog	6/186 + 7/062	0.558
Grape	30/7/2.50	17.5	144	181.6	63.7	Wolf	30/7/102	0.714
Lemon	30/7/3.00	21.0	207	261.5	90.1	Panther	30/7/118	0.826
Lime	30/7/3.50	24.5	282	356.0	121	Bear	30/7/132	0.924
Mango	54/7/3.00	27.0	373	431.2	118	Bison	54/7/11	81.062
Orange	54/7/3.25	29.3	438	506.0	137	Brolga	54/7/129	1.162
Olive	54/7/3.50	31.5	508	586.9	159	Moose	54/7/139	1.251
Paw Paw	54/3.75 + 19/2.25	33.8	583	671.7	179	Finch	54/143 + 19/086	1.293
Peach	54/4.75 + 19/2.85	42.8	936	1078	284	-	-	-
EXTRA HIGH STRENGTH						-	-	-
Quince	3/4/1.75	5.25	8.77	16.84	12.7	-	-	-
Raisin	3/4/2.50	7.50	17.9	34.36	24.4	-	-	-
Sultana	4/3/3.00	9.00	31.6	49.48	28.3	-	-	-
Walnut	4/3/3.75	11.3	49.4	77.31	43.9	-	-	-

Reference Tables

Australian Standard Metric Conductors

ACSR/AZ - Aluminium Conductor (Aluminised) Steel Reinforced - AS3607

Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN
Barley	6/1/2.50	7.50	29.0	34.36	10.3
Bean	6/1/3.00	9.00	41.8	49.48	14.5
Cabbage	6/1/3/75	11.3	65.2	77.31	21.5
Carrot	6/4.75 + 7/1.60	14.3	105	120.4	31.9
Corn	30/7/2.50	17.5	144	181.6	61.6
Garlic	30/7/3.00	21.0	207	261.5	87.2
Millet	30/7/3.50	24.5	282	356.0	116
Oats	54/7/3.00	27.0	373	431.2	115
Onon	54/7/3.25	29.3	438	506.0	132
Parsnip	54/7/3.50	31.5	508	586.9	153
Potato	54/3.75 + 19/2.25	33.8	583	671.7	177
Rice	54/4.75 + 19/2.85	42.8	936	1078	277

Reference Tables

Australian Standard Metric Conductors

ACSR/AC - Aluminium Conductor (Aluminium Clad) Steel Reinforced - AS3607

Code Name	Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN
Angling	6/1/2.50	7.50	30.7	34.36	10.7
Archery	6/1/3.00	9.00	44.1	49.48	15.0
Baseball	6/1/3.75	11.3	68.9	77.31	22.4
Bowls	6/4.75+7/1.60	14.3	109	120.4	32.6
Cricket	30/7/2.50	17.5	155	181.6	64.6
Darts	30/7/3.00	21.0	224	261.5	91.3
Diving	30/7/3.50	24.5	305	356.0	121
Golf	54/7/3.00	27.0	390	431.2	119
Gymnastics	54/7/3.25	29.3	457	506.0	138
Hurdles	54/7/3.50	31.5	530	586.9	159
Lacrosse	54/3.75+19/2.25	33.8	608	671.7	181
Rugby	54/4.75+19/2.85	42.8	976	1078	287
EXTRA HIGH STRENGTH					
Skating	3/4/1.75	5.25	10.4	16.84	12.3
Soccer	3/4/2.50	7.50	21.2	34.36	24.9
Swimming	4/3/3.00	9.00	35.2	49.48	28.8
Tennis	4/3/3.75	11.3	54.9	77.31	42.8

Reference Tables

Australian Standard Metric Conductors

SC/GZ - Steel Conductor / Galvanised - AS1222

Metric					Imperial	
Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Stranding	O.D. Inches
3/2.00	4.31	1.40	9.43	11.70	3/.080	0.172
3/2.75	5.93	2.60	17.82	22.20	3/.104	0.224
—	—	—	—	—	7/.064	0.192
7/2.00	6.00	3.20	21.99	26.00	7/.080	0.240
7/2.75	8.25	6.10	41.58	49.00	7/.104	0.312
7/3.25	9.75	8.60	58.07	68.70	7/.128	0.384
7/3.75	11.30	11.00	77.28	91.30	7/.144	0.432
19/2.00	10.00	8.80	59.70	70.50	19/.080	0.400
—	—	—	—	—	7/.160	0.480
19/2.75	13.80	17.00	112.90	133.00	19/.104	0.520
19/3.25	16.30	23.00	157.60	186.00	19/.128	0.64

Australian Standard Metric Conductors

SC/AC - Steel Conductor / Aluminium Clad - AS1222

Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN
3/2.75	5.93	5.91	17.82	22.70
3/3.00	6.47	7.03	21.21	27.00
3/3.25	7.00	8.26	24.89	31.60
3/3.75	8.08	11.00	33.12	39.30
7/2.75	8.25	13.70	41.58	50.10
7/3.00	9.00	16.30	49.48	59.70
7/3.25	9.75	19.20	58.07	69.90
7/3.75	11.30	25.50	77.28	86.90
7/4.25	12.80	32.80	99.33	105.00
19/2.75	13.80	37.10	112.90	136.00
19/3.00	15.00	44.10	134.30	162.00
19/3.25	16.30	51.80	157.60	189.00
19/3.75	18.80	68.90	209.80	236.00
19/4.25	21.30	88.60	269.60	286.00

Reference Tables

Australian Standard Metric Conductors

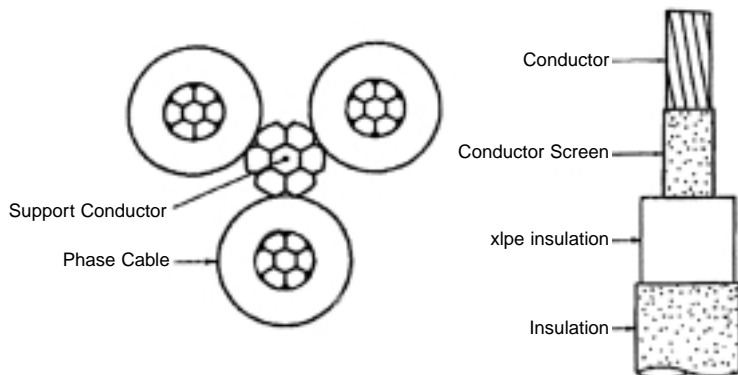
HDC Hard Drawn Copper Conductor - AS1746

Metric					Imperial	
Strands/Wire Diameter mm	Overall Diameter (Approx) mm	Calculated Equivalent Aluminium Area mm ²	Sectional Area mm ²	Calculated Minimum Breaking Load kN	Stranding	O.D. Inches
7/1.00	3.00	8.68	5.498	2.32	7/036	0.108
7/1.25	3.75	13.60	8.589	3.59	7/048	0.144
7/1.75	5.25	26.60	16.840	6.89	7/064	0.192
7/2.00	6.00	34.70	21.990	8.89	7/080	0.240
7/2.75	8.25	65.30	41.580	16.20	19/064	0.320
19/1.75	8.75	71.70	45.700	18.30	7/118	0.354
19/2.00	10.00	93.60	59.700	23.60	7/136	0.408
7/3.50	10.50	106.00	67.350	25.40	19/083	0.415
7/3.75	11.30	121.00	77.280	28.80	–	–
37/1.75	12.30	139.00	88.990	35.60	37/072	0.504
19/2.75	13.80	177.00	112.900	43.10	–	–
19/3.00	15.00	211.00	134.300	50.80	19/116	0.580
37/2.50	17.50	284.00	181.600	70.30	37/093	0.651
37/2.75	19.30	344.00	219.800	83.90	37/103	0.721
37/3.00	21.00	409.00	261.600	98.90	37/118	0.826
61/2.75	24.80	566.00	362.300	138.00	91/093	1.023

Reference Tables

Australian Standard Metric Conductors

HV ABC Non Metallic Screened Cables - AS3599



11kV

Phase				AAAC/1120 Support Conductor (Catenary)			Bundled Cable Dia.
Size	Insulation Thickness mm	Screen Thickness mm	Phase Cable Dia. mm	No. & Nominal Dia. of Wires in Conductor prior to Compaction	Compacted Conductor Dia. mm	Calculated Breaking Load kN	Circumscribing Circle mm
35	3.4	1.0	18	7/5.00	14.1 - 14.4	27.1	51
50	3.4	1.0	19	7/5.00	14.1 - 14.4	27.1	53
70	3.4	1.0	21	7/5.00	14.1 - 14.4	27.1	56
95	3.4	1.0	23	7/5.00	14.1 - 14.4	27.1	60
120	3.4	1.0	24	19/3.65	17.3 - 17.7	41.7	66
150	3.4	1.0	26	19/3.65	17.3 - 17.7	41.7	69
185	3.4	1.0	27	19/3.65	17.3 - 17.7	41.7	72

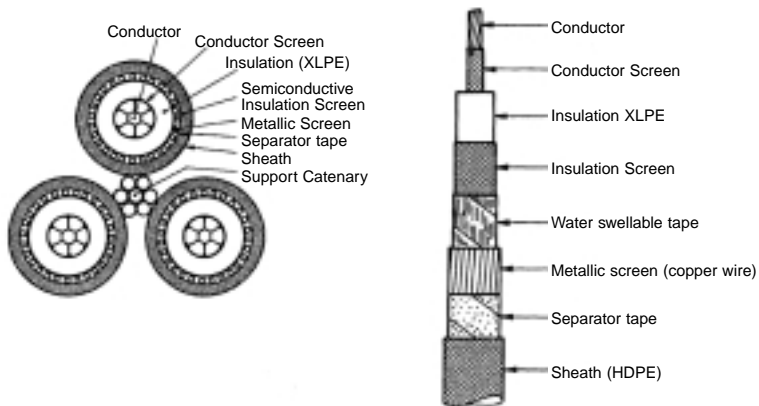
22kV

Phase				AAAC/1120 Support Conductor (Catenary)			Bundled Cable Dia.
Size	Insulation Thickness mm	Screen Thickness mm	Phase Cable Dia. mm	No. & Nominal Dia. of Wires in Conductor prior to Compaction	Compacted Conductor Dia. mm	Calculated Breaking Load kN	Circumscribing Circle mm
35	5.5	1.0	23	7/5.00	14.1 - 14.4	27.1	59
50	5.5	1.0	24	7/5.00	14.1 - 14.4	27.1	62
70	5.5	1.0	25	7/5.00	14.1 - 14.4	27.1	65
95	5.5	1.0	27	7/5.00	14.1 - 14.4	27.1	68
120	5.5	1.0	29	19/3.65	17.3 - 17.7	41.7	75
150	5.5	1.1	30	19/3.65	17.3 - 17.7	41.7	78
185	5.5	1.1	32	19/3.65	17.3 - 17.7	41.7	82

Reference Tables

Australian Standard Metric Conductors

HV ABC Metallic Screened Cables - AS3599



11kV

Size	Phase			Support Catenary		Bundled Cable Dia.
	Insulation Thickness mm	Screen Thickness mm	Phase Cable Dia. mm	No. & Nominal Dia. of Wires in Conductor	Calculated Breaking Load kN	Circumscribing Circle mm
35	3.4	0.8	24	7/2.00	26	58
35	3.4	0.8	24	19/2.00	70.5	54
50	3.4	0.8	25	19/2.00	70.5	62
70	3.4	0.8	27	19/2.00	70.5	66
95	3.4	0.8	29	19/2.00	70.5	69
120	3.4	0.8	31	19/2.00	70.5	72
150	3.4	0.8	32	19/2.00	70.5	75
185	3.4	0.8	34	19/2.00	70.5	78

22kV

Size	Phase			Support Catenary		Bundled Cable Dia.
	Insulation Thickness mm	Screen Thickness mm	Phase Cable Dia. mm	No. & Nominal Dia. of Wires in Conductor	Calculated Breaking Load kN	Circumscribing Circle mm
35	5.5	0.8	28	7/2.00	26	67
35	5.5	0.8	28	19/2.00	70.5	63
50	5.5	0.8	29	19/2.00	70.5	71
70	5.5	0.8	32	19/2.00	70.5	75
95	5.5	0.8	33	19/2.00	70.5	78
120	5.5	0.8	35	19/2.00	70.5	81
150	5.5	1.0	37	19/2.00	70.5	85
185	5.5	1.0	39	19/2.00	70.5	88

Technical Requirements for Covered Conductors (CCT)

Characteristics	Units	Conductor Size and Type								
Nominal cross-sectional area	mm²	80			120			180		
Stranding and nominal wire diameter	No./mm	7/3.75			7/4.75			19/3.50		
Material		AAAC/1120 or AAAC/6201 or AAAC/1350								
Approximate conductor diameter*	mm	11.3			14.3			17.5		
Voltage rating	kV	6.35/11	12.7/22	19.1/33	6.35/11	12.7/22	19.1/33	6.35/11	12.7/22	19.1/33
Covering thickness:										
(a) Minimum average	mm	3.40	5.50	8.00	3.40	5.50	8.00	3.40	5.50	8.00
(b) Minimum at any point	mm	2.96	4.85	7.10	2.96	4.85	7.10	2.96	4.85	7.10
(c) Maximum at any point	mm	4.00	6.40	9.30	4.00	6.40	9.30	4.00	6.40	9.30
Resultant overall diameter range*	mm	17.9 to 19.4	22.1 to 24.2	27.1 to 30	20.9 to 22.4	25.1 to 27.2	30.1 to 33.0	24.1 to 25.7	28.3 to 30.5	33.3 to 36.3
Approximate mass#	kg/km	450	635	900	640	845	1145	870	1105	1440
Colour code		Red	Red	Red	Yellow	Yellow	Yellow	Blue	Blue	Blue

Reference Tables

Nominal Cable Dimensions

Cross Section Area mm ²	Strand No./Wire Diameter mm	O.D. of Cond.	O.D. of PVC Single Core Cable	O.D. of PVC Ins. Single Core Sheathed	O.D. of Single Core Xlpe/PVC	Two Core	Two Core + Earth	Three Core + Earth	Four Core + Earth
1	1/1.13 7/0.40	1.13 1.20	2.8	4.1	-	-	-	-	-
1.5	1/1.3 7/0.50	81.38 1.5	3.2	4.4	-	9.4	-	-	-
2.5	7/0.67	2.01	3.7	5.1	-	10.8	-	-	-
4	7/0.85	2.55	4.6	6	-	12.2	-	-	-
6	7/1.04	3.12	5.2	6.6	-	13.4	-	-	-
10	7/1.35	4.05	6.1	8.1	-	-	16.6	18.1	20
16	7/1.70	5.1	7.2	9.3	-	-	18.6	20.4	22.6
25	19/1.35	6.75	8.9	-	11.4	-	22.1	23.8	26.5
35	19/1.53	7.65	10.1	-	12.6	-	24.4	26.5	29.5
50	19/1.7	88.9	11.9	-	14.1	-	28	30.6	34.3
70	19/2.14	10.7	13.5	-	16	-	31.5	34.8	39
95	37/1.7	812.46	15.9	-	18.2	-	-	39.6	44.6
120	37/2.03	14.21	17.4	-	20	-	-	43.3	48.8
150	37/2.25	15.75	19.5	-	22.2	-	-	48.4	54.6
185	37/2.52	17.64	-	-	24.4	-	-	53.7	60.7
240	61/2.25	20.25	-	-	27.4	-	-	61	69.1
300	61/2.52	22.68	-	-	30.3	-	-	67.6	76.6
400	61/2.85	25.65	-	-	33.8	-	-	-	-
500	61/3.20	28.8	-	-	35.7	-	-	-	-
630	127/2.52	32.76	-	-	40.2	-	-	-	-

Reference Tables

Cable Cross Sections

Annealed Aluminium and Copper Stranded Conductors

Metric			Imperial				
Nominal Cross Sectional Area mm ²	Number and Nominal Diameter of Wires	Nominal Diameter of Cond. mm	Nominal Cross Sectional Area mm ²	Number and Nominal Diameter of Wires		Nominal Cross Sectional Area inches ²	Nominal Diameter of Conductor mm
				Inches	mm		
1	1/1.13	1.13	0.97	1/0.44	1/1.12	0.0015	1.12
—	—	—	1.25	3/0.29	3/7.37	0.0019	1.59
1.5	1/1.38	1.38	—	—	—	—	—
—	—	—	1.93	3/0.36	3/9.14	0.0030	1.97
2.5	7/0.67	2.01	—	—	—	—	—
—	—	—	2.93	7/0.29	7/7.37	0.0045	2.21
4	7/0.85	2.55	—	—	—	—	—
—	—	—	4.52	7/0.36	7/9.14	0.0070	2.74
6	7/1.04	3.12	—	—	—	—	—
—	—	—	6.75	7/0.44	7/1.12	0.0100	3.35
—	—	—	9.43	7/0.52	7/1.32	0.0146	3.96
10	7/1.35	4.05	—	—	—	—	—
—	—	—	14.28	7/0.64	7/1.63	0.0025	4.88
16	7/1.70	5.10	—	—	—	—	—
—	—	—	18.29	19/0.44	19/1.12	0.0300	5.59
25	7/2.14	6.75	25.5	19/0.52	19/1.32	0.0400	6.60
35	19/1.53	7.65	—	—	—	—	—
—	—	—	38.7	19/0.64	19/1.63	0.0600	8.13
50	19/1.78	8.90	—	—	—	—	—
—	—	—	65.1	19/0.83	19/2.11	0.1000	10.50
70	19/2.14	10.7	—	—	—	—	—
—	—	—	75.3	37/0.64	37/1.63	0.1200	11.40
95	19/2.52	12.60	95.3	37/0.72	37/1.83	0.1500	12.80
120	37/2.03	14.21	126.7	37/0.83	37/2.11	0.2000	14.80
150	37/2.25	15.75	—	—	—	—	—
—	—	—	159.1	37/0.93	37/2.36	0.2500	16.50
185	37/2.52	17.64	—	—	—	—	—
—	—	—	195.1	37/1.03	37/2.62	0.3000	18.30
240	61/2.25	20.25	—	—	—	—	—
—	—	—	262.2	61/0.93	61/2.36	0.4000	21.30
300	61/2.52	22.80	—	—	—	—	—
—	—	—	321.6	61/1.03	61/2.62	0.5000	23.50
—	—	—	391.1	91/0.93	91/2.36	0.6000	26
400	61/2.85	25.65	—	—	—	—	—
—	—	—	479.7	91/1.03	91/2.62	0.7500	28.80
500	61/3.20	28.80	—	—	—	—	—
630	127/2.52	32.76	—	—	—	—	—
—	—	—	669.4	127/1.03	127/2.62	1	34
800	127/2.85	37.05	800	127/1.12	127/2.84	1.2400	36.92
1000	127/3.20	41.60	1000	127/1.25	127/3.18	1.5000	41.34

Reference Tables

Conversion Tables for Non-Metric Cable Sizes

British Standard	Metric Equivalent mm ²
33	0.0507
32	0.0591
31	0.0682
30	0.0779
29	0.0937
28	0.1111
27	0.136
26	0.164
25	0.203
24	0.245
23	0.292
22	0.397
21	0.519
20	0.657
19	0.81
18	1.17
17	1.59
16	2.08
15	2.63
14	3.24
13	4.29
12	5.48
10	8.30

Imperial Inches ²	Metric Equivalent mm ²
0.001	0.657
0.0015	0.981
0.002	1.28
0.003	1.97
0.0032	2.08
0.0045	2.98
0.007	4.6
0.01	6.81
0.0145	9.59
0.0225	14.5
0.03	18.6
0.04	26
0.06	39.4
0.075	49.9
0.1	66.3
0.12	76.8
0.15	97.2
0.2	129
0.25	162
0.3	199
0.4	267
0.5	328
0.6	399
0.75	489
0.85	557
1.0	683
1.25	807
1.5	1050

American Wire Gauge AWG	Metric Equivalent mm ²	American Wire Gauge AWG	Metric Equivalent mm ²
30	0.0507	250 MCM	127
29	0.0645	300 MCM	152
28	0.0806	350 MCM	177
27	0.102	400 MCM	203
26	0.128	450 MCM	228
25	0.163	500 MCM	253
24	0.205	550 MCM	279
23	0.259	600 MCM	304
22	0.324	650 MCM	329
21	0.412	700 MCM	355
20	0.519	750 MCM	380
19	0.652	800 MCM	405
18	0.826	850 MCM	431
17	1.04	900 MCM	456
16	1.31	950 MCM	481
15	1.65	1000 MCM	507
14	2.08	1100 MCM	557
13	2.63	1200 MCM	608
12	3.31	1300 MCM	659
11	4.17	1400 MCM	709
10	5.26	1500 MCM	760
9	6.63	1600 MCM	811
8	8.37	1700 MCM	861
7	10.6	1800 MCM	912
6	13.3	1900 MCM	963
5	16.8	2000 MCM	1010
4	21.2	-	-
3	26.7	-	-
2	33.6	-	-
1	42.4	-	-
0	53.5	-	-
2/0	67	-	-
3/0	85	-	-
4/0	107	-	-

Notes