

REFERENCE

- AMPERAGE RATING
- CONVERSION TABLE FOR AWG WIRE

AMPERAGE RATING

Amperage rating is determined by the wire size.

WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)
STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)
	5.0	107	500		842	38		162
	4.0	81	400		745	30		139
	3.2	62	325		650	22		115
	2.6	48	250		550	14		88
	2.0	35	200		460	8		61
	1.6	27	150		395	5.5		49
	1.2	19	125		344	3.5		37
	1.0	16	100		298	2		27
1,000		1,260	80		257	1.25		19
800		1,080	60		217	0.9		17
600		930	50		190			

Amperage rating for Ring terminal with narrower width.

※ R22-5S, R22-6S, R22-8S, R22-10S (94A)

※ R38-6S, R38-8S, R38-10S (132A)

※ R60-6S, R60-8S, R60-10S (175A)

There are some exceptions in amperage rating terminals, see our products specification for details.

NOTE: CONDUCTOR MAX TEMP. 60°C
SURROUNDING TEMP. 30°C

CONVERSION TABLE FOR AWG WIRE

A.W.G.	CROSS SECTION		A.W.G.	CROSS SECTION		A.W.G.	CROSS SECTION	
	mm ²	CM		mm ²	CM		mm ²	CM
36	0.01	25.00	14	2.08	4,096	00 (2/0)	67.51	133,225
34	0.02	39.69	12	3.33	6,561	000 (3/0)	85.16	168,100
32	0.03	63.21	10	5.27	10,404	0000 (4/0)	107.22	211,600
30	0.05	100	8	8.30	16,384		126.68	250,000
28	0.08	158.8	6	13.30	26,244		152.01	300,000
26	0.13	253	5	16.78	33,124		177.38	350,000
24	0.20	404	4	21.09	41,616		202.68	400,000
22	0.32	640	3	26.57	52,441		253.35	500,000
20	0.52	1,024	2	33.94	66,564		304.02	600,000
18	0.81	1,600	1	42.22	83,521			
16	1.32	2,601	0 (1/0)	53.52	105,625			

NOTE: CM Circular mil
MCM=CM×1000