

Rectangular Compacted Litz*

The rectangular compacted Type 8 Litz constructions listed in this section are designed with copper densities from 60 to 75 percent of the cable's cross sectional area. This type Litz is particularly suited for high frequency motor, generator, transformer and inverter windings where limited space necessitates a conductor with excellent fill factor and copper density.

New England Wire has pioneered the development of Type 8 Litz designs including square configurations as well as the rectangular constructions listed. Please consult our design team for the Type 8 designs requiring specific wire sizes or dimensions.

Equivalent AWG	Circular Mil Area	Number of Wires	AWG of Wire	Film Coating ¹	Nominal Width	Nominal Thickness	Nominal LBS/1000 FT	Direct Current Resistance OHMS/1000 FT [^]	Construction
RECOMMENDED OPERATING FREQUENCY - 400 HZ TO 5 KHZ · The following designs utilize monolithic conductors for the base group.									
4	46403	7	12	H	.327	.152	140.0	.262	7X12
3	53032	8	12	H	.374	.152	160.0	.229	8X12
3	59661	9	12	H	.421	.152	180.0	.204	9X12
2	66290	10	12	H	.468	.152	200.0	.184	10X12
2	72919	11	12	H	.515	.152	220.0	.167	11X12
2	79548	12	12	H	.533	.152	240.0	.153	12X12
1	86177	13	12	H	.575	.152	260.0	.141	13X12
1	92806	14	12	H	.619	.152	280.0	.131	14X12
1	99435	15	12	H	.661	.152	300.0	.122	15X12
1/0	106064	16	12	H	.704	.152	320.0	.115	16X12
1/0	112693	17	12	H	.747	.152	341.0	.108	17X12
1/0	119322	18	12	H	.789	.152	361.0	.102	18X12
6	28763	7	14	H	.262	.121	88.0	.416	7X14
5	32872	8	14	H	.299	.121	101.0	.364	8X14
5	36981	9	14	H	.337	.121	113.0	.324	9X14
4	41090	10	14	H	.374	.121	126.0	.291	10X14
4	45199	11	14	H	.392	.121	138.0	.265	11X14
4	49308	12	14	H	.426	.121	151.0	.243	12X14
3	53417	13	14	H	.460	.121	163.0	.224	13X14
3	57526	14	14	H	.495	.121	176.0	.208	14X14
3	61635	15	14	H	.528	.121	189.0	.194	15X14
2	65744	16	14	H	.563	.121	201.0	.182	16X14
2	69853	17	14	H	.597	.121	214.0	.171	17X14
2	73962	18	14	H	.631	.121	226.0	.162	18X14
2	78071	19	14	H	.666	.121	239.0	.153	19X14
1	82180	20	14	H	.700	.121	251.0	.146	20X14
1	86289	21	14	H	.735	.121	264.0	.139	21X14
1	90398	22	14	H	.769	.121	277.0	.132	22X14
1	94507	23	14	H	.802	.121	289.0	.127	23X14
1	98616	24	14	H	.837	.121	302.0	.121	24X14
7	18067	7	16	H	.210	.097	55.7	.663	7X16
7	20648	8	16	H	.240	.097	63.6	.581	8X16
7	23229	9	16	H	.270	.097	71.6	.516	9X16
6	25810	10	16	H	.299	.097	79.5	.464	10X16
6	28391	11	16	H	.329	.097	87.5	.422	11X16
6	30972	12	16	H	.341	.097	95.4	.387	12X16
5	33553	13	16	H	.368	.097	103.0	.357	13X16

1 H = heavy-film coating

*New England U.S. Patent 4439256

[^] Not for specification purposes.

All measurements are in inches unless otherwise stated.

