30 : Conductor AWG size --- 30AWG

T : Indicating number of layers

S – Single layer T – Triple layer D – Double layer

1.5 : Insulation thickness per layer

1.5 – 0.0015” 2.0 – 0.002” 3.0 – 0.003”

E : Insulation material

E – ETFE F – FEP P – PFA

XXX: Color code (First number is the first inner layer color)

0 – Clear
1 – White
2 – Black
3 – Red
4 – Green
5 – Yellow
6 – Blue
7 – Brown
8 – Orange
9 – Gray
A – Violet

T C: Conductor material

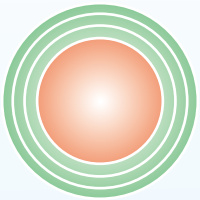
T C: Tinned copper(
NA10: Bare copper
S P: Silver plated copper

1 : Number of conductors

1 : Single conductor

A : Revision A

Construction





Product Description :

UL 60950/IEC 60950/IEC60601-1/IEC61558-2
Annex U Approved
UL 1446 Electrical Insulation System: NE-F1 -
Class F (155℃)
Single,Stranded Conductors
Supplementary and Reinforced Insulation

Items	ETFE		FEP		PFA	
	°F/inchs	°C/mm	°F/inchs	°C/mm	°F/inchs	°C/mm
Temperature Rating *	311°F	155°C	356°F	180°C	392°F	200°C *
Layer Thickness Basic(Minimum)	0.0015”	0.038	0.002”	0.051	0.0015”	0.038
Total Thickness Supplementary(Minimum)	0.003”	0.076	0.004”	0.102	0.003”	0.076
Total Thickness Reinforced(Minimum)	0.0045”	0.114	0.006”	0.15	0.045”	0.114

*UI60950 & VDE60950 have a maximum temperature rating of 180℃ ClassH.

Solid/PFA Insulated Conductors

Conductor				Single Insulation		Double Insulation		Triple Insulation	
AWG	OD(mm)	DC Resistance		Part Number	OD(mm)	Part Number	OD(mm)	Part Number	OD(mm)
		Bare	Tinned						
18	1.02	6.516	6.995			HFL 18D1.5PXXTC1A	0.076	HFL 18T1.5PXXXTC1A	0.152
19	0.912	8.211	8.815			HFL 19D1.5PXXTC1A	0.076	HFL 19T1.5PXXXTC1A	0.152
20	0.813	10.33	11.09			HFL 20D1.5PXXTC1A	0.076	HFL 20T1.5PXXXTC1A	0.152
21	0.724	13.03	13.99			HFL 21D1.5PXXTC1A	0.076	HFL 21T1.5PXXXTC1A	0.152
22	0.643	16.53	17.75	HFL 22S1.5PXTC1A	0.719	HFL 22D1.5PXXTC1A	0.795	HFL 22T1.5PXXXTC1A	0.871
23	0.574	20.72	22.24	HFL 23S1.5PXTC1A	0.650	HFL 23D1.5PXXTC1A	0.726	HFL 23T1.5PXXXTC1A	0.802
24	0.511	26.19	28.12	HFL 24S1.5PXTC1A	0.587	HFL 24D1.5PXXTC1A	0.663	HFL 24T1.5PXXXTC1A	0.739
25	0.455	33.03	35.46	HFL 25S1.5PXTC1A	0.531	HFL 25D1.5PXXTC1A	0.607	HFL 25T1.5PXXXTC1A	0.683
26	0.404	41.86	44.94	HFL 26S1.5PXTC1A	0.480	HFL 26D1.5PXXTC1A	0.556	HFL 26T1.5PXXXTC1A	0.632
27	0.361	52.48	56.34	HFL 27S1.5PXTC1A	0.437	HFL 27D1.5PXXTC1A	0.513	HFL 27T1.5PXXXTC1A	0.589
28	0.32	66.66	71.56	HFL 28S1.5PXTC1A	0.396	HFL 28D1.5PXXTC1A	0.472	HFL 28T1.5PXXXTC1A	0.548
29	0.287	82.88	88.97	HFL 29S1.5PXTC1A	0.363	HFL 29D1.5PXXTC1A	0.439	HFL 29T1.5PXXXTC1A	0.515
30	0.254	105.8	113.6	HFL 30S1.5PXTC1A	0.330	HFL 30D1.5PXXTC1A	0.406	HFL 30T1.5PXXXTC1A	0.482
31	0.226	133.9	143.8	HFL 31S1.5PXTC1A	0.302	HFL 31D1.5PXXTC1A	0.378	HFL 31T1.5PXXXTC1A	0.454
32	0.203	166.2	178.4	HFL 32S1.5PXTC1A	0.279	HFL 32D1.5PXXTC1A	0.355	HFL 32T1.5PXXXTC1A	0.431
33	0.18	211.7	228.2	HFL 33S1.5PXTC1A	0.256	HFL 33D1.5PXXTC1A	0.332	HFL 33T1.5PXXXTC1A	0.408
34	0.16	269.8	289.6	HFL 34S1.5PXTC1A	0.236	HFL 34D1.5PXXTC1A	0.312	HFL 34T1.5PXXXTC1A	0.388
35	0.142	342.8	368.1	HFL 35S1.5PXTC1A	0.218	HFL 35D1.5PXXTC1A	0.294	HFL 35T1.5PXXXTC1A	0.370
36	0.127	431.9	463.7	HFL 36S1.5PXTC1A	0.203	HFL 36D1.5PXXTC1A	0.279	HFL 36T1.5PXXXTC1A	0.355
37	0.114	535.7	575.1	HFL 37S1.5PXTC1A	0.190	HFL 37D1.5PXXTC1A	0.266	HFL 37T1.5PXXXTC1A	0.342
38	0.102	681.9	732.0	HFL 38S1.5PXTC1A	0.178	HFL 38D1.5PXXTC1A	0.254	HFL 38T1.5PXXXTC1A	0.330
39	0.089	897.1	963.1	HFL 39S1.5PXTC1A	0.165	HFL 39D1.5PXXTC1A	0.241	HFL 39T1.5PXXXTC1A	0.317
40	0.079	1152	1237	HFL 40S1.5PXTC1A	0.155	HFL 40D1.5PXXTC1A	0.231	HFL 40T1.5PXXXTC1A	0.307

1.Conductors DC Resistance is provided as maximum Ohms/1000 feet at 20℃
2.Tolerance on OD is +0.02mm/-0.00mm
3.UL 60950 & IEC 60950 have maximum temperature rating of 180℃ , Class H
4.Our standard colors for these products include:clear, white, black, red, green, yellow, blue, brown, orange, gray and violet

Solid/FEP Insulated Conductors

Conductor				Single Insulation		Double Insulation		Triple Insulation	
AWG	OD(mm)	DC Resistance		Part Number	OD(mm)	Part Number	OD(mm)	Part Number	OD(mm)
		Bare	Tinned						
18	1.020	6.516	6.995	HFL 18S2.0FXTC1A	1.120	HFL 18D2.0FXXTC1A	1.220	HFL 18T2.0FXXXTC1A	1.320
19	0.912	8.211	8.815	HFL 19S2.0FXTC1A	1.012	HFL 19D2.0FXXTC1A	1.112	HFL 19T2.0FXXXTC1A	1.212
20	0.813	10.33	11.09	HFL 20S2.0FXTC1A	0.913	HFL 20D2.0FXXTC1A	1.013	HFL 20T2.0FXXXTC1A	1.113
21	0.724	13.03	13.99	HFL 21S2.0FXTC1A	0.824	HFL 21D2.0FXXTC1A	0.924	HFL 21T2.0FXXXTC1A	1.024
22	0.643	16.53	17.75	HFL 22S2.0FXTC1A	0.743	HFL 22D2.0FXXTC1A	0.843	HFL 22T2.0FXXXTC1A	0.943
23	0.574	20.72	22.24	HFL 23S2.0FXTC1A	0.674	HFL 23D2.0FXXTC1A	0.774	HFL 23T2.0FXXXTC1A	0.874
24	0.511	26.19	28.12	HFL 24S2.0FXTC1A	0.611	HFL 24D2.0FXXTC1A	0.711	HFL 24T2.0FXXXTC1A	0.811
25	0.455	33.03	35.46	HFL 25S2.0FXTC1A	0.555	HFL 25D2.0FXXTC1A	0.655	HFL 25T2.0FXXXTC1A	0.755
26	0.404	41.86	44.94	HFL 26S2.0FXTC1A	0.504	HFL 26D2.0FXXTC1A	0.604	HFL 26T2.0FXXXTC1A	0.704
27	0.361	52.48	56.34	HFL 27S2.0FXTC1A	0.461	HFL 27D2.0FXXTC1A	0.561	HFL 27T2.0FXXXTC1A	0.661
28	0.320	66.66	71.56	HFL 28S2.0FXTC1A	0.420	HFL 28D2.0FXXTC1A	0.520	HFL 28T2.0FXXXTC1A	0.620
29	0.287	82.88	88.97	HFL 29S2.0FXTC1A	0.387	HFL 29D2.0FXXTC1A	0.487	HFL 29T2.0FXXXTC1A	0.587
30	0.254	105.8	113.6	HFL 30S2.0FXTC1A	0.354	HFL 30D2.0FXXTC1A	0.454	HFL 30T2.0FXXXTC1A	0.554
31	0.226	133.9	143.8	HFL 31S2.0FXTC1A	0.326	HFL 31D2.0FXXTC1A	0.426	HFL 31T2.0FXXXTC1A	0.526
32	0.203	166.2	178.4	HFL 32S2.0FXTC1A	0.303	HFL 32D2.0FXXTC1A	0.403	HFL 32T2.0FXXXTC1A	0.503
33	0.180	211.7	228.2	HFL 33S2.0FXTC1A	0.280	HFL 33D2.0FXXTC1A	0.380	HFL 33T2.0FXXXTC1A	0.480
34	0.160	269.8	289.6	HFL 34S2.0FXTC1A	0.260	HFL 34D2.0FXXTC1A	0.360	HFL 34T2.0FXXXTC1A	0.460
35	0.142	342.8	368.1	HFL 35S2.0FXTC1A	0.242	HFL 35D2.0FXXTC1A	0.342	HFL 35T2.0FXXXTC1A	0.442
36	0.127	431.9	463.7	HFL 36S2.0FXTC1A	0.227	HFL 36D2.0FXXTC1A	0.327	HFL 36T2.0FXXXTC1A	0.427
37	0.114	535.7	575.1	HFL 37S2.0FXTC1A	0.214	HFL 37D2.0FXXTC1A	0.314	HFL 37T2.0FXXXTC1A	0.414
38	0.102	681.9	732.0	HFL 38S2.0FXTC1A	0.202	HFL 38D2.0FXXTC1A	0.302	HFL 38T2.0FXXXTC1A	0.402
39	0.089	897.1	963.1	HFL 39S2.0FXTC1A	0.189	HFL 39D2.0FXXTC1A	0.289	HFL 39T2.0FXXXTC1A	0.389
40	0.079	1152	1237	HFL 40S2.0FXTC1A	0.179	HFL 40D2.0FXXTC1A	0.279	HFL 40T2.0FXXXTC1A	0.379

1.Conductors DC Resistance is provided as maximum Ohms/1000 feet at 20℃.

2.Tolerance on OD is +0.02mm/-0.00mm.

3.Our standard colors for these products include:clear, white, black, red, green, yellow, blue, brown, orange, gray and violet.

Solid/ETFE Insulated Conductors

Conductor				Single Insulation		Double Insulation		Triple Insulation	
AWG	OD(mm)	DC Resistance		Part Number	OD(mm)	Part Number	OD(mm)	Part Number	OD(mm)
		Bare	Tinned						
18	1.020	6.516	6.995	HFL18S1.5EXTC1A	1.096	HFL18D1.5EXXTC1A	1.172	HFL18T1.5EXXXTC1A	1.248
19	0.912	8.211	8.815	HFL19S1.5EXTC1A	0.988	HFL19D1.5EXXTC1A	1.064	HFL19T1.5EXXXTC1A	1.140
20	0.813	10.33	11.09	HFL 20S1.5EXTC1A	0.889	HFL20D1.5EXXTC1A	0.965	HFL20T1.5EXXXTC1A	1.041
21	0.724	13.03	13.99	HFL 21S1.5EXTC1A	0.800	HFL21D1.5EXXTC1A	0.876	HFL21T1.5EXXXTC1A	0.952
22	0.643	16.53	17.75	HFL 22S1.5EXTC1A	0.719	HFL22D1.5EXXTC1A	0.795	HFL22T1.5EXXXTC1A	0.871
23	0.574	20.72	22.24	HFL23S1.5EXTC1A	0.650	HFL 23D1.5EXXTC1A	0.726	HFL23T1.5EXXXTC1A	0.802
24	0.511	26.19	28.12	HFL24S1.5EXTC1A	0.587	HFL24D1.5EXXTC1A	0.663	HFL24T1.5EXXXTC1A	0.739
25	0.455	33.03	35.46	HFL 25S1.5EXTC1A	0.531	HFL 25D1.5EXXTC1A	0.607	HFL25T1.5EXXXTC1A	0.683
26	0.404	41.86	44.94	HFL26S1.5EXTC1A	0.480	HFL26D1.5EXXTC1A	0.556	HFL26T1.5EXXXTC1A	0.632
27	0.361	52.48	56.34	HFL27S1.5EXTC1A	0.437	HFL27D1.5EXXTC1A	0.513	HFL27T1.5EXXXTC1A	0.589
28	0.320	66.66	71.56	HFL28S1.5EXTC1A	0.396	HFL 28D1.5EXXTC1A	0.472	HFL 28T1.5EXXXTC1A	0.548
29	0.287	82.88	88.97	HFL 29S1.5EXTC1A	0.363	HFL 29D1.5EXXTC1A	0.439	HFL 29T1.5EXXXTC1A	0.515
30	0.254	105.8	113.6	HFL 30S1.5EXTC1A	0.330	HFL30D1.5EXXTC1A	0.406	HFL 30T1.5EXXXTC1A	0.482
31	0.226	133.9	143.8	HFL31S1.5EXTC1A	0.302	HFL31D1.5EXXTC1A	0.378	HFL 31T1.5EXXXTC1A	0.454
32	0.203	166.2	178.4	HFL32S1.5EXTC1A	0.279	HFL32D1.5EXXTC1A	0.355	HFL 32T1.5EXXXTC1A	0.431
33	0.180	211.7	228.2	HFL 33S1.5EXTC1A	0.256	HFL33D1.5EXXTC1A	0.332	HFL 33T1.5EXXXTC1A	0.408
34	0.160	269.8	289.6	HFL 34S1.5EXTC1A	0.236	HFL 34D1.5EXXTC1A	0.312	HFL 34T1.5EXXXTC1A	0.388
35	0.142	342.8	368.1	HFL35S1.5EXTC1A	0.218	HFL35D1.5EXXTC1A	0.294	HFL 35T1.5EXXXTC1A	0.370
36	0.127	431.9	463.7	HFL36S1.5EXTC1A	0.203	HFL36D1.5EXXTC1A	0.279	HFL 36T1.5EXXXTC1A	0.355
37	0.114	535.7	575.1	HFL37S1.5EXTC1A	0.190	HFL37D1.5EXXTC1A	0.266	HFL 37T1.5EXXXTC1A	0.342
38	0.102	681.9	732.0	HFL 38S1.5EXTC1A	0.178	HFL38D1.5EXXTC1A	0.254	HFL 38T1.5EXXXTC1A	0.330
39	0.089	897.1	963.1	HFL 39S1.5EXTC1A	0.165	HFL 39D1.5EXXTC1A	0.241	HFL 39T1.5EXXXTC1A	0.317
40	0.079	1152	1237	HFL40S1.5EXTC1A	0.155	HFL 40D1.5EXXTC1A	0.231	HFL 40T1.5EXXXTC1A	0.307

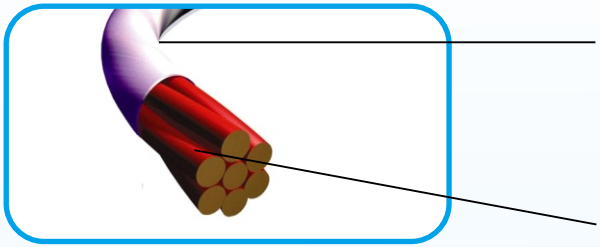
1.Conductors DC Resistance is provided as maximum Ohms/1000 feet at 20℃.

2.Tolerance on OD is +0.02mm/-0.00mm.

3.Our standard colors for these products include:clear, white, black, red, green, yellow, blue, brown, orange, gray and violet.

LITZ WIRE TYPES & CONSTRUCTION

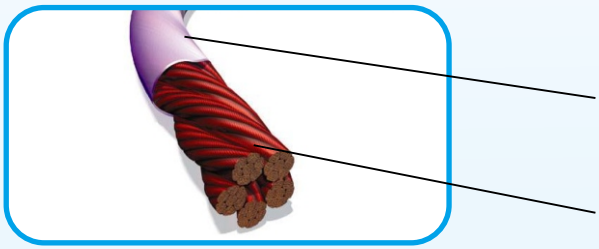
Round Type1



Type 1 Litz construction features a single twisting operation with optional outer insulation.
Outer insulation of textile yarn, tape or extruded compounds.

Single film-insulated wire strand

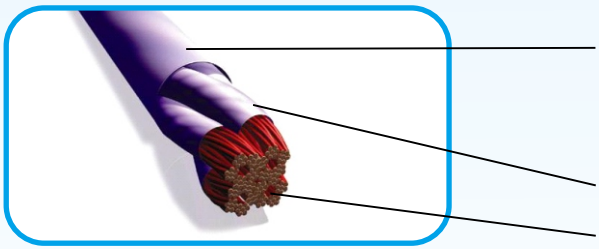
RoundType 2



Type 2 Litz construction features bundles of twisted wire twisted together with optional outer insulation.
Outer insulation of textile yarn, tape or extruded compounds

Bundles of Type 1 Litz wire

Round Type 3

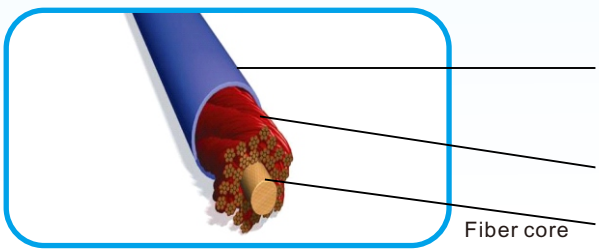


Type 3 Litz construction features insulated bundles of twisted wire twisted together with optional outer insulation.
Outer insulation of textile yarn, tape or extruded compounds.

Individually insulated bundles

Bundles of Type 2 Litz wire

RoundType 4



Type 4 Litz construction features bundles of twisted wire twisted around a central fiber core.

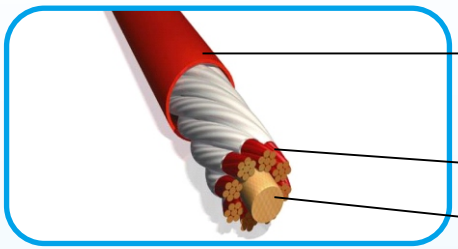
Optional outer insulation of textile yarn, tape or extruded compounds

Fiber core

Bundles of Type 2 Litz Wire

LITZ WIRE TYPES & CONSTRUCTION

Round Type5

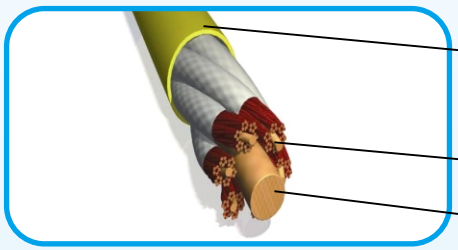


Type 5 Litz construction features insulated bundles of Type 2 Litz wire twisted around a fiber core.
Optional outer insulation of textile yarn, tape or extruded compounds

Individually insulated bundles of Type 2 Litz wire

Fiber core

RoundType 6

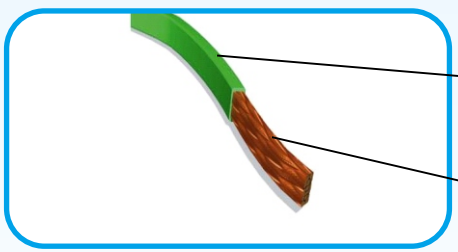


Type 6 Litz construction features bundles of Type 5 wire twisted around a fiber core.
Optional outer insulation of textile yarn, tape or extruded compounds

Bundles of Type 5 Litz wire insulated with nylon serving

Fiber core

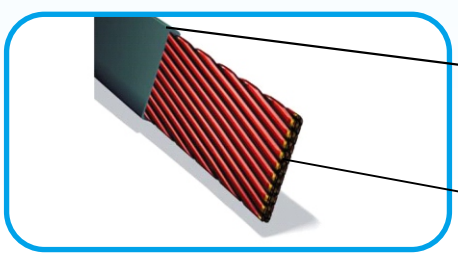
Rectangular Type 7



Type 7 Litz construction features insulated wire braided and formed into a rectangular profile.
Optional outer insulation of textile yarn, tape or extruded compounds

Braided film-insulated wire

Rectangular Type 8

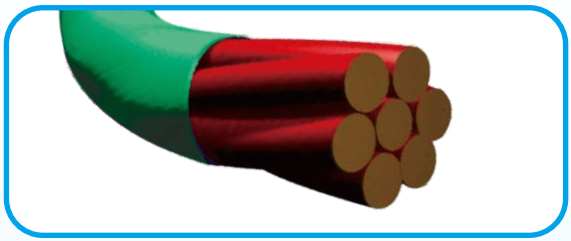


Type 8 Litz construction features single insulated strands twisted and compressed into a rectangular profile.
Optional outer insulation of textile yarn, tape or extruded compounds

Compacted film-insulated wires or compacted groups

Round Litz

Litz constructions type1 through 6 are all designed to be round and vary from a simple bunch of conductors (type1) to complex designs utilizing multiple cores and several manufacturing operation (Type6)



The smaller constructions of Litz type1 and 2 are typically used in high Q circuitry, such as toroidal coils and transformers. The larger Type 2 and 3 Litz designs have greater current carrying capacities necessary for high frequency power supply, inverter and grounding applications Type4,5 and 6 litz constructions all utilize at least one inert core and are used primarily in tuning circuitry for high power radio transmitters

线规 AWG	面积 Mil Area	导体条数 Number of wires	单支线规 AWG of Wire	漆膜厚度 Film Coating[1]	Construction Type	绝缘类型 Outer Insulation[2]	线径 OD (inch)	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
RECOMMENDED OPERATING FREQUENCY - 60 HZ TO 1 KHZ										
24	476	3	28	S	1	-	.027	1.49	22.570	3/28
22	794	5	28	S	1	-	.035	2.49	13.540	5/28
20	1112	7	28	S	1	-	.042	3.49	9.670	7/28
18	1588	10	28	S	1	-	.050	4.99	6.770	10/28
16	2700	17	28	S	1	SN	.065	8.68	3.980	17/28
14	4129	26	28	S	1	SN	.080	13.23	2.600	16/28
12	6670	42	28	S	1	SN	.102	21.28	1.610	42/28
10	10480	66	28	S	2	SN	.140	34.02	1.060	3X22/28
8	16674	105	28	S	2	SN	.177	54.01	.660	3X35/28
6	26202	165	28	S	2	SN	.222	86.59	.420	5X33/28
4	42240	266	28	S	2	DN	.285	141.87	.260	7X38/28
2	66696	420	28	S	2	DN	.431	227.39	.170	5X3X28/28
1/0	105602	665	28	S	2	SNB	.537	366.00	.110	7X5X19/28
2/0	133392	840	28	S	5	SNB	.657	480.00	.084	6(5X28/28)
3/0	171504	1080	28	S	5	SNB	.787	634.00	.065	9(5X24/28)
4/0	217238	1368	28	S	5	SNB	.941	828.00	.051	12(3X38/28)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Round Litz,continued

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Construction Type	Outer Insulation[2]	OD (inch)	LBS./1000FT	DC Resistance OHM/1000FT[A]	construction of conductor
RECOMMENDED OPERATING FREQUENCY - 1 HZ TO 10 KHZ										
26	300	3	30	S	1	-	.022	.95	35.980	3/30
24	500	5	30	S	1	-	.028	1.58	21.590	5/30
22	700	7	30	S	1	-	.033	2.21	15.420	7/30
20	1100	11	30	S	1	-	.045	3.47	9.810	11/30
18	1700	17	30	S	1	SN	.055	5.52	6.350	17/30
16	2600	26	30	S	1	SN	.064	8.38	4.150	26/30
14	4200	42	30	S	1	SN	.082	13.48	2.570	42/30
12	6500	65	30	S	2	SN	.112	21.21	1.710	5X13/30
10	11000	110	30	S	2	SN	.145	35.75	1.010	5X22/30
8	16800	168	30	H	2	-	.191	55.03	.660	7X24/30
7	25900	259	30	H	2	-	.237	84.83	.430	7X37/30
6	26600	266	30	H	2	-	.240	87.13	.420	7X38/30
4	41300	413	30	H	2	-	.300	138.27	.270	7X59/30
3	52500	525	30	H	2	-	.338	171.96	.210	7X75/30
2	66500	665	30	H	2	-	.380	217.81	.170	7X95/30
2	80500	805	30	H	2	DN	.421	272.95	.140	7X115/30
1/0	125000	1250	30	S	2	SNB	.631	435.00	.090	5X5X50/30
2/0	135000	1350	30	S	5	SNB	.667	486.00	.083	6(5X45/30)
3/0	195000	1950	30	S	5	SNB	.794	697.00	.057	6(5X5X13/30)
4/0	252000	2520	30	S	5	SNB	.981	916.00	.045	6(5X3X28/30)
RECOMMENDED OPERATING FREQUENCY - 10 KHZ TO 20 KHZ										
26	303	6	33	S	1	SN	.025	1.00	35.990	6/33
24	403	8	33	S	1	-	.025	1.27	26.990	8/33
22	655	13	33	S	1	SN	.035	2.13	16.610	13/33
20	1059	21	33	S	1	SN	.044	3.41	10.280	21/33
18	1613	32	33	S	1	SN	.054	5.24	6.750	32/33
16	2672	53	33	S	1	SN	.066	8.59	4.070	53/33
14	5041	100	33	S	2	SN	.099	16.44	2.220	5X20/33
12	7562	150	33	S	2	SN	.121	24.60	1.480	5X30/33
10	10586	210	33	S	2	SN	.143	34.36	1.060	3X70/33
8	16585	329	33	S	2	DN	.175	55.20	.680	7X47/33
6	26465	525	33	S	2	DN	.237	92.03	.440	5X3X35/33
4	42849	850	33	S	2	DN	.302	147.14	.270	5X5X34/33
2	66541	1320	33	S	5	SNB	.484	244.00	.171	6(5X44/33)
1	90738	1800	33	S	5	SNB	.558	334.00	.127	6(3/5/20/33)
1/0	105861	2100	33	S	5	SNB	.600	383.00	.107	6(5/70/33)
2/0	136107	2700	33	S	5	SNB	.675	496.00	.084	6(5X3/30/33)
3/0	169377	3360	33	S	5	SNB	.850	651.00	.067	12(5X56/33)

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Round Litz,continued

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Construction Type	Outer Insulation[2]	OD (inch)	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
4/0	211772	4200	33	S	5	SNB	.987	841.00	.054	14(5X3/20/33)
-	299435	5940	33	S	6	PVC	1.290	1255.00	.038	6 (6 (5/33/33))
-	512972	10176	33	S	6	PVC	1.800	2283.00	.022	8(6(4X53/33))
-	725904	14400	33	S	6	PVC	2.420	3550.00	.016	15(6(5X32/33))
-	917462	18200	33	S	6	PVC	3.120	5088.00	.012	20(13(70/33))
-	1572792	31200	33	S	6	PVC	3.990	8684.00	.007	20(6(5/52/33))
RECOMMENDED OPERATING FREQUENCY - 20 KZH TO 50 KHZ										
30	100	4	36	S	1	-	.013	.318	110.100	4/36
28	175	7	36	S	1	-	.017	.557	62.900	7/36
26	250	10	36	S	1	SN	.023	.839	44.050	10/36
24	400	16	36	S	1	SN	.029	1.340	27.530	16/36
22	675	27	36	S	1	SN	.037	2.220	16.320	27/36
20	1025	41	36	S	1	SN	.044	3.350	10.740	41/36
18	1625	65	36	S	2	SN	.059	5.440	6.980	5X13/36
16	2625	105	36	S	2	SN	.074	8.740	4.320	3X35/36
14	4125	165	36	S	2	SN	.092	13.660	2.750	5X33/36
12	6625	265	36	S	2	SN	.116	21.830	1.710	5X53/36
10	10500	420	36	S	2	DN	.158	35.630	1.110	5X3X28/36
8	16500	660	36	S	2	DN	.197	59.010	.710	5X3X44/36
6	26250	1050	36	S	2	DN	.247	92.450	.450	5X5X42/36
4	45000	1800	36	S	2	DN	.322	156.420	.260	5X5X72/36
2	66500	2660	36	S	2	DN	.373	228.670	.180	7X5X76/36
1	84000	3360	36	S	5	SNB	.548	318.000	.140	6(5X4X28/36)
1/0	108000	4320	36	S	5	SNB	.655	420.000	.109	9(5X3X32/36)
2/0	135000	5400	36	S	5	SNB	.728	552.000	.087	9(5X3X40/36)
3/0	171000	6840	36	S	5	SNB	.870	682.000	.069	12(5X3X38/36)
4/0	211500	8460	36	S	5	SNB	.962	840.000	.055	12(5X3X47/36)
RECOMMENDED OPERATING FREQUENCY - 50 KHZ TO 100 KHZ										
30	112	7	38	S	1	SN	.017	.380	99.360	7/38
28	160	10	38	S	1	SN	.019	.542	69.550	10/38
26	256	16	38	S	1	SN	.024	.850	43.470	16/38
24	400	25	38	S	1	SN	.029	1.320	27.820	25/38
22	640	40	38	S	1	SN	.036	2.060	17.390	40/38
20	1056	66	38	S	1	SN	.045	3.380	10.750	3/22/38
18	1600	100	38	S	2	SN	.059	5.250	7.160	5X20/38
16	2592	162	38	S	2	SN	.069	8.270	4.380	3/54/38
14	4160	260	38	S	2	SN	.093	13.470	2.760	5X52/38
12	6720	420	38	S	2	SN	.117	21.690	1.740	5X3/28/38

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Round Litz,continued

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Construction Type	Outer Insulation[2]	OD (inch)	LBS./1000FT	DC Resistance OHM/1000FT[A]	construction of conductor
10	10560	660	38	S	2	DN	.149	33.980	1.110	5X3/44/38
8	16800	1050	38	S	2	DN	.200	58.940	.700	5X5X42/38
6	26400	1650	38	S	2	DN	.249	91.200	.450	5X5X66/38
4	42000	2625	38	S	2	DN	.320	143.450	.290	5X5X3/35/38
2	66240	4140	38	S	5	SNB	.494	247.000	.180	6(5X3/46/38)
1	84000	5250	38	S	5	SNB	.551	311.000	.141	6(5X5X35/38)
1/0	105600	6600	38	S	5	SNB	.613	389.000	.112	6(5X5X44/38)
2/0	136000	8500	38	S	5	SNB	.749	522.000	.087	10(5X5X34/38)
3/0	168000	10500	38	S	5	SNB	.828	642.000	.070	10(5X5X42/38)
4/0	211200	13200	38	S	5	SNB	.966	824.000	.056	12(5X5X44/38)
RECOMMENDED OPERATING FREQUENCY - 100 KHZ TO 200 KHZ										
34	38.4	4	40	S	1	-	.008	.127	293.840	4/40
32	67.3	7	40	S	1	-	.011	.221	167.910	7/40
30	106.0	11	40	S	1	SN	.016	.379	106.850	11/40
28	163.0	17	40	S	1	SN	.020	.580	69.140	17/40
26	260.0	27	40	S	1	SN	.024	.897	43.530	27/40
24	404.0	42	40	S	1	SN	.029	1.397	27.980	42/40
22	634.0	66	40	S	2	SN	.038	2.197	18.340	3X22/40
20	1036.0	108	40	S	2	SN	.045	3.492	11.100	3/36/40
18	1634.0	170	40	S	2	SN	.056	5.537	7.050	5/34/40
16	2595.0	270	40	S	2	SN	.069	8.809	4.530	3/3/30/40
14	4180.0	435	40	S	2	SN	.093	14.264	2.840	5X3/29/40
12	6727.0	700	40	S	2	SN	.126	23.371	1.780	5X5X28/40
10	10571.0	1100	40	S	2	SN	.157	36.608	1.130	5X5X44/40
8	17298.0	1800	40	S	5	DN	.236	66.600	.700	6(5X3/20/40)
6	26812.0	2790	40	S	5	DN	.293	103.000	.451	6(5X3/31/40)
4	42813.0	4455	40	S	5	SNB	.431	176.000	.282	9(5X3/33/40)
2	69192.0	7200	40	S	5	SNB	.572	290.000	.174	12(5X3/40/40)
1/0	105710.0	11000	40	S	5	SNB	.668	428.000	.114	10(5X5X44/40)
RECOMMENDED OPERATING FREQUENCY - 200 KHZ TO 350 KHZ										
36	25	4	42	S	1	-	.006	.079	459.260	4/42
34	44	7	42	S	1	SN	.012	.169	262.430	7/42
32	63	10	42	S	1	SN	.013	.228	183.700	10/42
30	100	16	42	S	1	SN	.016	.346	114.810	16/42
28	163	26	42	S	1	SN	.019	.542	70.650	26/42
26	250	40	42	S	1	SN	.023	.829	45.930	40/42
24	413	66	42	S	2	SN	.029	1.370	28.390	3/22/42
22	656	105	42	S	2	SN	.036	2.130	17.850	5/21/42

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Round Litz,continued

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Construction Type	Outer Insulation[2]	OD (inch)	LBS./1000FT	直流电阻 DC Resistance OHM/1000FT^	导体构造 construction of conductor
20	1031	165	42	S	2	SN	.045	3.330	11.360	5/33/42
18	1688	270	42	S	2	SN	.060	5.580	7.150	5X3/18/42
16	2625	420	42	S	2	SN	.074	8.630	4.600	5X3/28/42
14	4125	660	42	S	2	SN	.092	13.490	2.920	5X3/44/42
12	6563	1050	42	S	2	DN	.127	21.820	1.860	5X5X42/42
10	10687	1710	42	S	5	DN	.185	40.300	1.150	6(5X3/19/42)
8	16875	2700	42	S	5	DN	.231	63.000	.729	6(5X3/30/42)
6	26250	4200	42	S	5	DN	.287	97.100	.468	6(5X5/28/42)
4	42188	6750	42	S	5	SNB	.434	169.000	.291	10(5X3/45/42)
2	67500	10800	42	S	5	SNB	.561	272.000	.182	12(5X5/36/42)
RECOMMENDED OPERATING FREQUENCY - 350 KHZ TO 850 KHZ										
38	16	4	44	S	1	-	.005	.050	732.620	4/44
36	28	7	44	S	1	SN	.010	.118	418.640	7/44
34	40	10	44	S	1	SN	.011	.156	293.050	10/44
32	64	16	44	S	1	SN	.013	.230	183.150	16/44
30	100	25	44	S	1	SN	.016	.342	117.220	25/44
28	160	40	44	S	1	SN	.019	.529	73.260	40/44
26	264	66	44	S	2	SN	.024	.874	45.290	3/22/44
24	420	105	44	S	2	SN	.029	1.380	28.470	3/35/44
22	640	160	44	S	2	SN	.035	2.060	18.680	5/32/44
20	1020	255	44	S	2	SN	.044	3.250	11.720	5/51/44
18	1620	405	44	S	2	SN	.058	5.310	7.600	5X3/27/44
16	2600	650	44	S	2	SN	.072	8.470	4.740	5X5/26/44
14	4200	1050	44	S	2	SN	.094	13.870	2.960	5X5X42/44
12	6600	1650	44	S	2	DN	.120	22.010	1.920	5X5X3/22/44
10	10500	2625	44	S	2	DN	.149	34.810	1.210	5X5X3/35/44
8	16800	4200	44	S	5	DN	.226	62.000	.747	6(5X5/28/44)
RECOMMENDED OPERATING FREQUENCY - 850 KHZ TO 1.4 MHZ										
38	17.3	7	46	S	1	SN	.005	.054	662.13	7/46
36	24.7	10	46	S	1	SN	.009	.108	463.49	10/46
34	39.5	16	46	S	1	SN	.011	.155	289.68	16/46
32	64.2	26	46	S	1	SN	.013	.232	178.26	26/46
30	101.0	41	46	S	1	SN	.016	.349	113.05	41/46
28	163.0	66	46	S	2	SN	.019	.554	71.63	3/22/46
26	259.0	105	46	S	2	SN	.023	.865	45.02	3/35/46
24	408.0	165	46	S	2	SN	.029	1.350	28.65	5/33/46
22	667.0	270	46	S	2	SN	.038	2.200	18.03	3X3/30/46
20	1038.0	420	46	S	2	SN	.047	3.400	11.59	5X3/28/46

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Round Litz,continued

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Construction Type	Outer Insulation[2]	OD (inch)	LBS./1000FT	DC Resistance OHM/1000FT[A]	construction of conductor
18	1630.0	660	46	S	2	SN	.058	5.380	7.38	5X3/44/46
16	2593.0	1050	46	S	2	SN	.072	8.480	4.64	5X5/42/46
14	4261.0	1725	46	S	2	DN	.094	14.440	2.91	5X5X3/23/46
12	6669.0	2700	46	S	2	DN	.120	22.400	1.86	5X5X3/36/46
10	10745.0	4350	46	S	5	DN	.191	40.500	1.14	6(5X5/29/46)
RECOMMENDED OPERATING FREQUENCY - 1.4 MHZ TO 2.8 MHZ										
42	7.7	5	48	S	1	-	.004	.246	1486.14	5/48
40	10.8	7	48	S	1	SN	.007	.034	1061.53	7/48
38	18.5	12	48	S	1	SN	.009	.090	619.23	12/48
36	27.7	18	48	S	1	SN	.010	.120	412.82	18/48
34	40.0	26	48	S	1	SN	.011	.159	285.80	26/48
32	69.3	45	48	S	1	SN	.014	.252	165.13	45/48
30	102.0	66	48	S	2	SN	.016	.356	114.84	3/22/48
28	162.0	105	48	S	2	SN	.020	.560	71.18	5/21/48
26	277.0	180	48	S	2	SN	.026	.955	42.52	5X36/48
24	462.0	300	48	S	2	SN	.031	1.560	25.77	5/3/20/48
22	647.0	420	48	S	2	SN	.036	2.160	18.41	5/3/28/48
20	1040.0	675	48	S	2	SN	.048	3.470	11.57	5X3/45/48
18	1694.0	1100	48	S	2	SN	.060	5.680	7.10	5X5/44/48
16	2657.0	1725	48	S	2	SN	.074	9.350	4.62	5X5/3/23/48
14	4158.0	2700	48	S	2	SN	.093	14.600	2.95	5X5/3/36/48
12	6930.0	4500	48	S	5	DN	.159	26.900	1.77	6(5X5/30/48)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-

1、S=single-film coating thickness

H=heavy-film coating thickness

2、SN=single nylon serving
DN=double nylon serving
SNB=single nylon braid
PVC=extruded polyvinychloride

Rectangular Braided Litz

The **Type 7 braided Litz** constructions shown below are used primarily in high frequency grounding applications, or where special inductor designs require high aspect ratio conductors, we have listed only the most popular constructions and frequency ranges, Specific sizes utilizing almost any wire gauge are available to meet customer specification.

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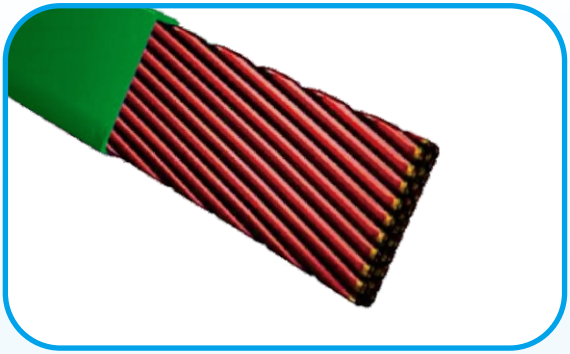


AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	construction of conductor
RECOMMENDED OPERATING FREQUENCY - 1 KHZ TO 15 KHZ								
10	9600	96	30	H	.363	.073	33	24-4-30
9	12000	120	30	H	.435	.073	41	24-5-30
8	16800	168	30	H	.508	.073	58	24-7-30
6	24000	240	30	H	.580	.109	83	24-10-30
5	36000	360	30	H	.725	.109	124	24-15-30
5	33600	336	30	H	1.600	.073	121	48-7-30
4	48000	480	30	H	.870	.145	173	24-20-30
3	64800	648	30	H	1.090	.145	227	24-27-30
2	76800	768	30	H	1.160	.145	279	24-32-30
1/0	105600	1056	30	H	1.450	.145	373	24-44-30
2/0	153600	1536	30	H	2.320	.181	526	48-32-30
3/0	168000	1680	30	H	2.610	.181	569	48-35-30
4/0	249600	2496	30	H	2.900	.181	824	48-52-30
RECOMMENDED OPERATING FREQUENCY - 15 KHZ TO 50 KHZ								
22	800	32	36	H	.075	.038	2.79	16-2-36
18	1600	64	36	H	.113	.038	5.41	16-4-36
16	2400	96	36	H	.188	.038	8.50	24-4-36
14	4200	168	36	H	.263	.038	15.00	24-7-36
12	7200	288	36	H	.450	.038	26.00	48-6-36
10	9600	384	36	H	.450	.076	33.00	24-16-36
9	13200	528	36	H	.750	.076	46.00	48-11-36
8	18000	720	36	H	.750	.075	63.00	48-15-36
6	26400	1056	36	H	1.050	.075	96.00	48-22-36
4	40200	1608	36	H	.900	.113	143.00	24-67-36
2	72000	2880	36	H	1.500	.113	265.00	48-60-36
1/0	100800	4032	36	H	1.950	.150	376.00	48-84-36

H=heavy-film coating

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.



AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
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

H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
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
RECOMMENDED OPERATING FREQUENCY - 400 HZ TO 5 KHZ (CONTNUED) · The following designs utilize monolithic conductors for the base group									
5	36134	14	16	H	.396	.097	111.0	.332	14X16
5	38715	15	16	H	.423	.097	119.0	.310	15X16
4	41296	16	16	H	.451	.097	127.0	.290	16X16
4	43877	17	16	H	.478	.097	135.0	.273	17X16
4	46458	18	16	H	.506	.097	143.0	.258	18X16
4	49039	19	16	H	.534	.097	151.0	.244	19X16
3	51620	20	16	H	.561	.097	159.0	.232	20X16
3	54201	21	16	H	.588	.097	167.0	.221	21X16
3	56782	22	16	H	.616	.097	175.0	.211	22X16
3	59363	23	16	H	.643	.097	183.0	.202	23X16
3	61944	24	16	H	.671	.097	191.0	.194	24X16
10	11368	7	18	H	.168	.078	35.1	1.054	7X18
9	12992	8	18	H	.192	.078	40.2	.923	8X18
9	14616	9	18	H	.216	.078	45.2	.820	9X18
8	16240	10	18	H	.240	.078	50.2	.738	10X18
8	17864	11	18	H	.252	.078	55.2	.671	11X18
8	19488	12	18	H	.273	.078	60.2	.615	12X18
7	21112	13	18	H	.295	.078	65.3	.568	13X18
7	22736	14	18	H	.317	.078	70.3	.527	14X18
7	24360	15	18	H	.339	.078	75.3	.492	15X18
6	25984	16	18	H	.361	.078	80.3	.461	16X18
6	27608	17	18	H	.383	.078	85.3	.434	17X18
6	29232	18	18	H	.405	.078	90.4	.410	18X18
6	30856	19	18	H	.428	.078	95.4	.388	19X18

H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
5	32480	20	18	H	.449	.078	100.0	.369	20X18
5	34104	21	18	H	.472	.078	105.0	.351	21X18
5	35728	22	18	H	.493	.078	110.0	.335	22X18
5	37352	23	18	H	.500	.078	115.0	.321	23X18
5	38976	24	18	H	.538	.078	120.0	.308	24X18
12	7168	7	20	H	.132	.062	22.1	1.670	7X20
11	8192	8	20	H	.149	.062	25.3	1.460	8X20
11	9216	9	20	H	.167	.062	28.4	1.300	9X20
10	10240	10	20	H	.184	.062	31.6	1.170	10X20
10	11264	11	20	H	.201	.062	34.8	1.060	11X20
10	12288	12	20	H	.219	.062	37.9	.974	12X20
9	13312	13	20	H	.236	.062	41.1	.899	13X20
9	14336	14	20	H	.254	.062	44.2	.835	14X20
9	15360	15	20	H	.272	.062	47.4	.779	15X20
8	16384	16	20	H	.289	.062	50.6	.731	16X20
8	17408	17	20	H	.307	.062	53.7	.688	17X20
8	18432	18	20	H	.325	.062	56.9	.650	18X20
8	19456	19	20	H	.342	.062	60.0	.615	19X20
7	20480	20	20	H	.360	.062	63.2	.585	20X20
RECOMMENDED OPERATING FREQUENCY - 400 HZ TO 5 KHZ (CONTNUED) · The following designs utilize monolithic conductors for the base group									
7	21504	21	20	H	.378	.062	66.4	.557	21X20
7	22528	22	20	H	.395	.062	69.5	.531	22X20
7	23552	23	20	H	.413	.062	72.7	.508	23X20
7	24576	24	20	H	.431	.062	75.8	.487	24X20
14	4480	7	22	H	.108	.050	13.9	2.69	7X22
13	5120	8	22	H	.120	.050	15.9	2.35	8X22
13	5760	9	22	H	.133	.050	17.9	2.09	9X22
12	6401	10	22	H	.147	.050	19.9	1.88	10X22
12	7041	11	22	H	.161	.050	21.9	1.71	11X22
12	7681	12	22	H	.175	.050	23.9	1.57	12X22
11	8321	13	22	H	.189	.050	25.9	1.45	13X22
11	8961	14	22	H	.204	.050	27.9	1.34	14X22
11	9601	15	22	H	.218	.050	29.9	1.25	15X22
10	10241	16	22	H	.232	.050	31.9	1.18	16X22
10	10881	17	22	H	.246	.050	33.9	1.11	17X22
15	3636	9	24	H	.105	.038	11.3	3.30	9X24

H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
14	4040	10	24	H	.116	.038	12.6	2.97	10X24
14	4444	11	24	H	.129	.038	13.9	2.70	11X24
14	4848	12	24	H	.140	.038	15.1	2.48	12X24
13	5252	13	24	H	.152	.038	16.4	2.28	13X24
13	5656	14	24	H	.163	.038	17.6	2.12	14X24
13	6060	15	24	H	.176	.038	18.9	1.98	15X24
12	6464	16	24	H	.187	.038	20.2	1.86	16X24
12	6868	17	24	H	.199	.038	21.4	1.75	17X24
RECOMMENDED OPERATING FREQUENCY - 60 HZ TO 1 KHZ·The following designs utilize 7 strand concentric conductors for the base group									
2	79576	49	18	H	.495	.233	250.0	.153	7X7X18
1	90944	56	18	H	.559	.233	285.0	.134	8X7X18
1	102312	63	18	H	.624	.233	321.0	.119	9X7X18
1/0	113680	70	18	H	.689	.233	357.0	.107	10X7X18
1/0	125048	77	18	H	.755	.233	392.0	.097	11X7X18
2/0	136416	84	18	H	.820	.233	428.0	.089	12X7X18
4	50176	49	20	H	.396	.187	157.0	.242	7X7X20
3	57344	56	20	H	.448	.187	180.0	.212	8X7X20
3	64512	63	20	H	.500	.187	202.0	.188	9X7X20
2	71680	70	20	H	.552	.187	225.0	.170	10X7X20
2	78848	77	20	H	.604	.187	247.0	.154	11X7X20
1	86016	84	20	H	.657	.187	269.0	.141	12X7X20
1	93184	91	20	H	.709	.187	292.0	.130	13X7X20
1	100352	98	20	H	.768	.187	314.0	.121	14X7X20
1/0	107520	105	20	H	.815	.187	337.0	.113	15X7X20
1/0	114688	112	20	H	.868	.187	359.0	.106	16X7X20
RECOMMENDED OPERATING FREQUENCY - 60 HZ TO 1 KHZ(CONTNUED) · The following designs utilize 7 strand concentric conductors for the base group									
6	31368	49	22	H	.317	.150	99.0	.389	7X7X22
5	35848	56	22	H	.359	.150	113.0	.341	8X7X22
5	40329	63	22	H	.400	.150	127.0	.303	9X7X22
4	44810	70	22	H	.442	.150	141.0	.273	10X7X22
4	49291	77	22	H	.484	.150	156.0	.248	11X7X22
3	53772	84	22	H	.526	.150	170.0	.227	12X7X22
3	58253	91	22	H	.568	.150	184.0	.210	13X7X22
3	62734	98	22	H	.611	.150	198.0	.195	14X7X22
2	67215	105	22	H	.653	.150	212.0	.182	15X7X22
2	71696	112	22	H	.695	.150	226.0	.170	16X7X22
2	76177	119	22	H	.738	.150	240.0	.160	17X7X22

H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
2	80658	126	22	H	.780	.150	255.0	.151	18X7X22
1	85139	133	22	H	.823	.150	269.0	.143	19X7X22
1	89614	140	22	H	.864	.150	283.0	.136	20X7X22
8	19796	49	24	H	.257	.121	62.7	.615	7X7X24
7	22624	56	24	H	.290	.121	71.6	.538	8X7X24
7	25452	63	24	H	.324	.121	80.6	.478	9X7X24
6	28280	70	24	H	.357	.121	89.5	.430	10X7X24
6	31108	77	24	H	.391	.121	98.5	.391	11X7X24
5	33936	84	24	H	.425	.121	107.0	.359	12X7X24
5	36764	91	24	H	.459	.121	116.0	.331	13X7X24
5	39592	98	24	H	.494	.121	125.0	.307	14X7X24
4	42420	105	24	H	.528	.121	134.0	.287	15X7X24
4	45248	112	24	H	.562	.121	143.0	.269	16X7X24
4	48076	119	24	H	.596	.121	152.0	.253	17X7X24
4	50904	126	24	H	.630	.121	161.0	.239	18X7X24
3	53732	133	24	H	.665	.121	170.0	.226	19X7X24
3	56560	140	24	H	.699	.121	179.0	.215	20X7X24
3	59388	147	24	H	.734	.121	187.0	.205	21X7X24
3	62216	154	24	H	.767	.121	197.0	.196	22X7X24
2	65044	161	24	H	.801	.121	206.0	.187	23X7X24
2	67872	168	24	H	.836	.121	215.0	.179	24X7X24
10	12390	49	26	H	.206	.097	39.7	.987	7X7X26
9	14160	56	26	H	.233	.097	45.4	.864	8X7X26
9	15930	63	26	H	.260	.097	51.1	.768	9X7X26
8	17700	70	26	H	.287	.097	56.8	.691	10X7X26
8	19470	77	26	H	.314	.097	62.4	.628	11X7X26
7	21240	84	26	H	.342	.097	68.1	.576	12X7X26
7	23010	91	26	H	.369	.097	73.8	.532	13X7X26
7	24780	98	26	H	.397	.097	79.5	.494	14X7X26
6	26550	105	26	H	.424	.097	85.2	.461	15X7X26
6	28320	112	26	H	.452	.097	90.8	.432	16X7X26
6	30090	119	26	H	.479	.097	96.5	.407	17X7X26
6	31860	126	26	H	.507	.097	102.0	.384	18X7X26
5	33630	133	26	H	.534	.097	108.0	.364	19X7X26
RECOMMENDED OPERATING FREQUENCY - 60 HZ TO 1 KHZ(CONTNUED) · The following designs utilize 7 strand concentric conductors for the base group									
5	35400	140	26	H	.562	.097	114.0	.346	20X7X26
5	37170	147	26	H	.590	.097	119.0	.329	21X7X26
5	38940	154	26	H	.617	.097	125.0	.314	22X7X26
5	40710	161	26	H	.644	.097	131.0	.300	23X7X26
4	42480	168	26	H	.672	.097	136.0	.288	24X7X26

H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
RECOMMENDED OPERATING FREQUENCY - 60 HZ TO 10 KHZ·The following designs utilize 7 strand concentric conductors for the base group									
12	7784	49	28	H	.151	.078	25.1	1.50	7X7X28
11	8896	56	28	H	.173	.078	28.6	1.360	8X7X28
11	10008	63	28	H	.194	.078	32.2	1.210	9X7X28
10	11120	70	28	H	.216	.078	35.8	1.090	10X7X28
10	12232	77	28	H	.238	.078	39.4	.991	11X7X28
9	13344	84	28	H	.259	.078	43.0	.909	12X7X28
9	14456	91	28	H	.281	.078	46.6	.839	13X7X28
9	15568	98	28	H	.302	.078	50.1	.779	14X7X28
8	16680	105	28	H	.324	.078	53.7	.727	15X7X28
8	17792	112	28	H	.346	.078	57.3	.681	16X7X28
8	18904	119	28	H	.367	.078	60.9	.641	17X7X28
8	20016	126	28	H	.389	.078	64.5	.606	18X7X28
7	21128	133	28	H	.410	.078	68.0	.574	19X7X28
7	22240	140	28	H	.432	.078	71.6	.545	20X7X28
7	23352	147	28	H	.453	.078	75.2	.519	21X7X28
7	24464	154	28	H	.475	.078	78.8	.496	22X7X28
7	25576	161	28	H	.497	.078	82.4	.474	23X7X28
14	4900	49	30	H	.122	.063	15.8	2.48	7X7X30
13	5600	56	30	H	.139	.063	18.1	2.17	8X7X30
13	6300	63	30	H	.157	.063	20.3	1.93	9X7X30
12	7000	70	30	H	.174	.063	22.6	1.74	10X7X30
12	7700	77	30	H	.191	.063	24.9	1.58	11X7X30
11	8400	84	30	H	.209	.063	27.1	1.45	12X7X30
11	9100	91	30	H	.226	.063	29.4	1.34	13X7X30
11	9800	98	30	H	.244	.063	31.6	1.24	14X7X30
10	10500	105	30	H	.261	.063	33.9	1.14	15X7X30
10	11200	112	30	H	.278	.063	36.2	1.09	16X7X30
10	11900	119	30	H	.296	.063	38.4	1.02	17X7X30
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H=heavy-film coating

Rectangular Compacted Litz

AWG	Mil Area	Number of wires	AWG of Wire	Film Coating[1]	Nominal Width	Nominal Thickness	LBS./1000FT	DC Resistance OHM/1000FT^	construction of conductor
RECOMMENDED OPERATING FREQUENCY - 10 HZ TO 50 KHZ·The following designs utilize 7 strand concentric and bonded* conductors for the base group									
17	2470	49	33	H	.082	.045	8.0	4.97	7X7X33
16	2822	56	33	H	.094	.045	9.2	4.35	8X7X33
16	3176	63	33	H	.106	.045	10.3	3.86	9X7X33
15	3529	70	33	H	.118	.045	11.4	3.47	10X7X33
15	3882	77	33	H	.129	.045	12.6	3.16	11X7X33
14	4234	84	33	H	.141	.045	13.7	2.90	12X7X33
14	4587	91	33	H	.153	.045	14.9	2.68	13X7X33
14	4940	98	33	H	.165	.045	16.0	2.48	14X7X33
13	5293	105	33	H	.177	.045	17.2	2.32	15X7X33
13	5646	112	33	H	.188	.045	18.3	2.17	16X7X33
13	5999	119	33	H	.200	.045	19.5	2.05	17X7X33
20	1225	49	36	H	.058	.032	4.0	10.14	7X7X36
19	1400	56	36	H	.066	.032	4.6	8.87	8X7X36
19	1575	63	36	H	.074	.032	5.1	7.88	9X7X36
18	1750	70	36	H	.082	.032	5.7	7.10	10X7X36
18	1925	77	36	H	.091	.032	6.3	6.28	11X7X36
17	2100	84	36	H	.099	.032	6.8	5.91	12X7X36
17	2275	91	36	H	.107	.032	7.4	5.46	13X7X36
17	2450	98	36	H	.115	.032	8.0	5.07	14X7X36
16	2625	105	36	H	.124	.032	8.6	4.73	15X7X36
16	2800	112	36	H	.132	.032	9.1	4.43	16X7X36
16	2975	119	36	H	.140	.032	9.7	4.17	17X7X36
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H=heavy-film coating

Disclaimer

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