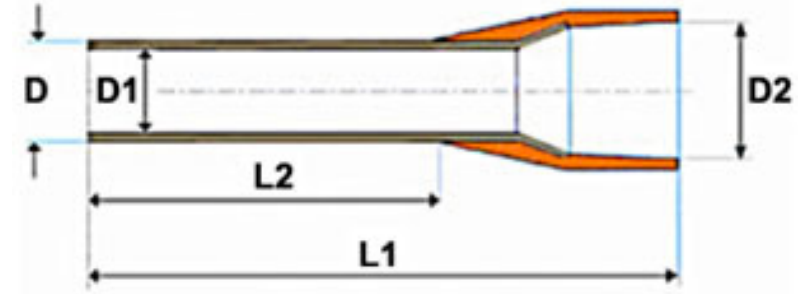


Single Insulated Wire Ferrules

Specifications



Physical Properties

Single insulated wire ferrules are made of nylon and electrolytically tin plated copper. Tin plating is carried out in accordance with ASTM B 33.

Tin Plated Copper

Maximum Operating Temperature: 221 °F (105 °C)

Tin Melting Point: 449.47 °F (231.93 °C)

Copper Melting Point: 1984.32 °F (1084.62 °C)

Insulation

Maximum Operating Temperature: 221°F (105 °C)

Minimum Operating Temperature: -94 °F (-70 °C)

Melting Point: 420 °F (216 °C)

Tensile Strength: 5,800 psi

Hardness: R92

Specific Gravity: 1.13
















Difference Among Series W, Series D and Series T

The difference among these three series is the color of their insulation. Each series has its own distinctive color sequence, while all other features (material, dimensions etc.) remain the same.

Size		Product No						Dimensions (mm/in)				
mm ²	AWG	Series W	Color	Series D	Color	Series T	Color	L1	L2	D	D1	D2
0.14	26	AW01406	●			AT01406	●	10.4/.409	6.0/.236	1.12/.044	0.82/.032	1.5/.059
0.14	26	AW01408	●					12.4/.488	8.0/.315	1.12/.044	0.82/.032	1.5/.059
0.25	24	AW02506	●	AD02506	●	AT02506	●	10.4/.409	6.0/.236	1.1/.043	0.8/.031	1.6/.062
0.25	24	AW02508	●	AD02508	●	AT02508	●	12.4/.488	8.0/.315	1.1/.043	0.8/.031	1.6/.062
0.34	22	AW03406	●			AT03406	●	10.4/.409	6.0/.236	1.2/.047	0.9/.035	2.0/.079
0.34	22	AW03408	●			AT03408	●	12.4/.488	8.0/.315	1.2/.047	0.9/.035	2.0/.079
0.50	22	AW05005	●	AD05005	○	AD05005	○	11.0/.433	5.0/.197	1.3/.051	1.0/.039	2.6/.102
0.50	22	AW05006	●	AD05006	○	AD05006	○	12.0/.472	6.0/.236	1.3/.051	1.0/.039	2.6/.102
0.50	22	AW05008	●	AD05008	○	AD05008	○	14.0/.551	8.0/.315	1.3/.051	1.0/.039	2.6/.102
0.50	22	AS05008YE	●					14.0/.551	8.0/.315	1.3/.051	1.0/.039	2.6/.102
0.50	22	AW05010	●	AD05010	○	AD05010	○	16.0/.630	10.0/.394	1.3/.051	1.0/.039	2.6/.102
0.50	22	AW05012	●	AD05012	○	AD05012	○	18.0/.709	12.0/.472	1.3/.051	1.0/.039	2.6/.102
0.75	20	AW07506	○	AD07506	●	AT07506	●	12.4/.490	6.0/.236	1.6/.063	1.2/.047	2.8/.110
0.75	20	AW07508	○	AD07508	●	AT07508	●	14.0/.551	8.0/.315	1.6/.063	1.2/.047	2.8/.110
0.75	20	AW07508-L	○	AD07508-L	●	AT07508-L	●	14.0/.551	8.0/.315	1.6/.063	1.2/.047	3.0/.118
0.75	20	AW07510	○	AD07510	●	AT07510	●	16.0/.630	10.0/.394	1.6/.063	1.2/.047	2.8/.110
0.75	20	AW07512	○	AD07512	●	AT07512	●	18.0/.709	12.0/.472	1.6/.063	1.2/.047	2.8/.110
0.75	20	AW07518	○	AD07518	●	AT07518	●	24.3/.957	18.0/.709	1.6/.063	1.2/.047	2.8/.110
1.00	18	AW10006	●	AD10006	●	AD10006	●	12.0/.472	6.0/.236	1.7/.067	1.4/.055	2.8/.110
1.00	18	AW10008	●	AD10008	●	AD10008	●	14.4/.567	8.0/.315	1.7/.067	1.4/.055	2.8/.110
1.00	18	AW10008-L	●	AD10008-L	●	AD10008-L	●	14.0/.551	8.0/.315	1.8/.070	1.4/.055	3.7/.145
1.00	18	AW10010	●	AD10010	●	AD10010	●	16.0/.630	10.0/.394	1.7/.067	1.4/.055	2.8/.110
1.00	18	AW10010-L	●	AD10010-L	●	AD10010-L	●	17.5/.688	10.0/.394	1.8/.070	1.4/.055	3.7/.145
1.00	18	AW10012	●	AD10012	●	AD10012	●	18.0/.709	12.0/.472	1.7/.067	1.4/.055	2.8/.110
1.00	18	AW10012-L	●	AD10012-L	●	AD10012-L	●	18.5/.728	12.0/.472	1.8/.070	1.4/.055	3.7/.145
1.00	18	AW10018	●	AD10018	●	AD10018	●	24.0/.945	18.0/.709	1.7/.067	1.4/.055	2.8/.110
1.50	16	AW15006	●	AD15006	●	AD15006	●	12.3/.484	6.0/.236	2.0/.079	1.7/.067	3.5/.138

Size		Product No						Dimensions (mm/in)				
mm ²	AWG	Series W	Color	Series D	Color	Series T	Color	L1	L2	D	D1	D2
1.50	16	AW15008	●	AD15008	●	AD15008	●	14.0/.551	8.0/.315	2.0/.079	1.7/.067	3.5/.138
1.50	16	AW15008S	●	AD15008S	●	AD15008S	●	14.0/.551	8.0/.315	2.0/.079	1.7/.067	3.2/.126
1.50	16	AW15008-L	●	AD15008-L	●	AD15008-L	●	14.5/.571	8.0/.315	2.0/.079	1.7/.067	3.8/.149
1.50	16	AW15010	●	AD15010	●	AD15010	●	16.0/.630	10.0/.394	2.0/.079	1.7/.067	3.5/.138
1.50	16	AW15012	●	AD15012	●	AD15012	●	18.0/.709	12.0/.472	2.0/.079	1.7/.067	3.5/.138
1.50	16	AW15012-L	●	AD15012-L	●	AD15012-L	●	18.0/.709	12.0/.472	1.7/.067	1.4/.055	3.8/.149
1.50	16	AW15015	●	AD15015	●	AD15015	●	21.3/.839	15.0/.591	2.0/.079	1.7/.067	3.5/.138
1.50	16	AW15018	●	AD15018	●	AD15018	●	24.0/.945	18.0/.709	2.0/.079	1.7/.067	3.5/.138
2.08	14	AW20008	●	AD20008	●	AT20008	●	14.0/.551	8.0/.315	2.4/.094	2.1/.083	3.4/.134
2.08	14	AW20010	●	AD20010	●	AT20010	●	16.0/.630	10.0/.394	2.4/.094	2.1/.083	3.4/.134
2.08	14	AW20012	●	AD20012	●	AT20012	●	19.0/.748	12.0/.472	2.4/.094	2.1/.083	3.4/.134
2.08	14	AW20018	●	AD20018	●	AT20018	●	24.0/.945	18.0/.709	2.4/.094	2.1/.083	3.4/.134
2.50	14	AW25008	●	AW25008	●	AT25008	●	15.0/.591	8.0/.315	2.6/.102	2.2/.087	4.2/.165
2.50	14	AW25008LB	●	AW25008LB	●			15.0/.591	8.0/.315	2.5/.098	2.2/.087	4.2/.165
2.50	14	AW25010	●	AW25010	●	AT25010	●	17.4/.685	10.0/.394	2.5/.098	2.2/.087	4.2/.165
2.50	14	AW25012	●	AW25012	●	AT25012	●	18.0/.709	12.0/.472	2.5/.098	2.2/.087	4.2/.165
2.50	14	AW25018	●	AW25018	●	AT25018	●	24.0/.945	18.0/.709	2.5/.098	2.2/.087	4.2/.165
2.50	14	AW25025	●	AW25025	●	AT25025	●	32.0/1.26	25.0/.984	2.5/.098	2.2/.087	4.2/.165
2.50	14	AW25008L	●	AW25008L	●	AT25008L	●	15.0/.591	8.0/.315	2.5/.098	2.2/.098	4.7/.185
2.50	14	AW25010L	●	AW25010L	●	AT25010L	●	17.4/.685	10.0/.394	2.5/.098	2.2/.098	4.7/.185
2.50	14	AW25012L	●	AW25012L	●	AT25012L	●	18.0/.709	12.0/.472	2.5/.098	2.2/.098	4.7/.185
2.50	14	AW25018L	●	AW25018L	●	AT25018L	●	24.0/.945	18.0/.709	2.5/.098	2.2/.098	4.7/.185
4.00	12	AW40009	●	AW40009	●	AT40009	●	16.4/.646	9.0/.354	3.3/.130	2.8/.110	4.8/.189
4.00	12	AW40010	●	AW40010	●	AT40010	●	17.7/.697	10.0/.394	3.3/.130	2.8/.110	4.8/.189
4.00	12	AS40010RD	●					17.0/.699	10.0/.394	3.2/.126	2.8/.110	4.8/.189
4.00	12	AW40012	●	AW40012	●	AT40012	●	19.6/.772	12.0/.472	3.3/.130	2.8/.110	4.8/.189
4.00	12	AS40012RD	●					20.0/.787	12.0/.472	3.2/.126	2.8/.110	4.8/.189

Size		Product No						Dimensions (mm/in)				
mm²	AWG	Series W	Color	Series D	Color	Series T	Color	L1	L2	D	D1	D2
4.00	12	AW40018	●	AW40018	●	AT40018	●	26.0/1.02	18.0/.709	3.3/.130	2.8/.110	4.8/.189
4.00	12	AS40018RD	●					26.0/1.02	18.0/.709	3.2/.126	2.8/.110	4.8/.189
6.00	10	AW60009	●					17.3/.681	9.0/.354	3.9/.154	3.5/.138	6.3/.248
6.00	10	AW60010	●	AD60010	●	AT60010	●	18.5/.728	10.0/.394	3.9/.154	3.5/.138	6.3/.248
6.00	10	AW60012	●	AD60012	●	AT60012	●	20.0/.787	12.0/.472	3.9/.154	3.5/.138	6.3/.248
6.00	10	AW60018	●	AD60018	●	AT60018	●	26.0/1.02	18.0/.709	3.9/.154	3.5/.138	6.3/.248
10.00	8	AW100012	●	AD100012	●	AT100012	●	22.0/.866	12.0/.472	4.9/.193	4.5/.177	7.6/.299
10.00	8	AW100015	●	AD100015	●	AT100015	●	23.6/.929	15.0/.591	4.9/.193	4.5/.177	7.6/.299
10.00	8	AW100018	●	AD100018	●	AT100018	●	28.0/1.10	18.0/.709	4.9/.193	4.5/.177	7.6/.299
16.00	6	AW160012	●	AD160012	●	AT160012	○	22.0/.866	12.0/.472	6.2/.244	5.8/.228	8.8/.346
16.00	6			AD160012LB	●			22.0/.866	12.0/.472	6.2/.244	5.8/.228	8.8/.346
16.00	6	AW160018	●	AD160018	●	AT160018	○	28.0/1.10	18.0/.709	6.2/.244	5.8/.228	8.8/.346
25.00	4	AW250012	●	AD250012	●	AT250012	●	24.0/.945	12.0/.472	7.7/.303	7.3/.287	11.2/.441
25.00	4	AW250015	●	AD250015	●	AT250015	●	27.0/1.06	15.0/.591	7.7/.303	7.3/.287	11.2/.441
25.00	4	AW250016	●	AD250016	●	AT250016	●	28.0/1.10	16.0/.630	7.7/.303	7.3/.287	11.2/.441
25.00	4	AW250018	●	AD250018	●	AT250018	●	30.0/1.18	18.0/.709	7.7/.303	7.3/.287	11.2/.441
25.00	4	AW250022	●	AD250022	●	AT250022	●	36.0/1.42	22.0/.866	7.7/.303	7.3/.287	11.2/.441
25.00	4	AW250025	●	AD250025	●	AT250025	●	37.0/1.45	25.0/.984	7.7/.303	7.3/.287	11.2/.441
35.00	2			AD350014	●			30.0/1.18	14.0/.551	8.7/.343	8.3/.327	12.7/.500
35.00	2	AW350016	●	AD350016	●	AW350016	●	30.0/1.18	16.0/.630	8.7/.343	8.3/.327	12.7/.500
35.00	2	AW350018	●	AD350018	●	AW350018	●	32.0/1.26	18.0/.709	8.7/.343	8.3/.327	12.7/.500
35.00	2	AW350022	●	AD350022	●	AW350022	●	36.0/1.42	22.0/.866	8.7/.343	8.3/.327	12.7/.500
35.00	2	AW350025	●	AD350025	●	AW350025	●	39.0/1.53	25.0/.984	8.7/.343	8.3/.327	12.7/.500
50.00	1	AW500012	●	AD500012	●	AW500012	●	28.0/1.10	12.0/.472	10.9/.429	10.3/.406	15.0/.591
50.00	1	AW500016	●	AD500016	●	AW500016	●	32.0/1.26	16.0/.630	10.9/.429	10.3/.406	15.0/.591
50.00	1	AW500020	●	AD500020	●	AW500020	●	36.0/1.42	20.0/.787	10.9/.429	10.3/.406	15.0/.591
50.00	1	AW500022	●	AD500022	●	AW500022	●	38.0/1.50	22.0/.866	10.9/.429	10.3/.406	15.0/.591
50.00	1	AW500025	●	AD500025	●	AW500025	●	40.0/1.58	25.0/.984	10.9/.429	10.3/.406	15.0/.591

Size		Product No						Dimensions (mm/in)				
mm ²	AWG	Series W	Color	Series D	Color	Series T	Color	L1	L2	D	D1	D2
50.00	1	AW500030		AD500030		AW500030		46.0/1.81	30.0/1.18	10.9/.429	10.3/.406	15.0/.591
70.00	2/0			AD700020				37.0/1.48	20.0/.787	14.3/.563	13.5/.531	16.0/.630
70.00	2/0			AD700025				42.0/1.65	25.0/.984	14.3/.563	13.5/.531	16.0/.630
70.00	2/0			AD700027				44.0/1.73	27.0/1.06	14.3/.563	13.5/.531	16.0/.630
95.00	3/0			AD950025				44.0/1.73	25.0/.984	15.6/.614	14.8/.583	18.5/.725
95.00	3/0			AD950030				49.6/1.95	30.0/1.18	15.6/.614	14.8/.583	18.5/.725
120.00	4/0			AD1200027				47.6/1.87	27.0/1.06	17.7/.697	16.7/.657	20.3/.799
120.00	4/0			AD1200030				51.0/2.01	30.0/1.18	17.7/.697	16.7/.657	20.3/.799
120.00	4/0			AD1200032				52.6/2.07	32.0/1.26	17.7/.697	16.7/.657	20.3/.799
120.00	4/0			AD1200034				54.6/2.15	34.0/1.34	17.7/.697	16.7/.657	20.3/.799
150.00	300 MCM			AD1500025				50.6/1.99	25.0/.984	20.6/.811	19.6/.772	23.4/.921
150.00	300 MCM			AD1500027				52.6/2.07	27.0/1.06	20.6/.811	19.6/.772	23.4/.921
150.00	300 MCM			AD1500032				57.6/2.27	32.0/1.26	20.6/.811	19.6/.772	23.4/.921