

NEWind® - Solid/FEP Insulated Conductors

DESCRIPTION: Specialty winding wire for transformers and coils that doesn't require interleaving insulation between layers.

Conductor Material: Solid Copper

Insulation Thickness: .002" min per layer

Voltage Rating: Basic - 600 Vpk

Supplemental & Reinforced - 1000 Vpk

Temperature Rating: UL/VDE Class H 180° C

Dielectric Strength: 2000 V/mil nominal

Single Layer: UL 60950 Annex U

Double Layer: UL 60950 Annex U

IEC 60950 Annex U

Triple Layer: UL 60950 Annex U

IEC 60950 Annex U

UL File E205791

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VDE Reg. No. 135443

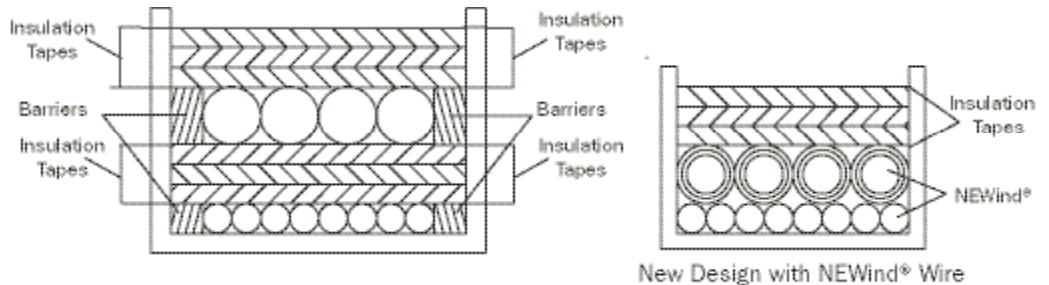
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CONDUCTOR		DC RESISTANCE		SINGLE INSULATION		DOUBLE INSULATION		TRIPLE INSULATION				
AWG	O.D.	Bare Copper	Tinned Copper	PART NUMBER	O.D.	LBS/ 1000 FT	PART NUMBER	O.D.	LBS/ 1000 FT	PART NUMBER	O.D.	LBS/ 1000 FT
18	.0403	6.516	6.995	W18S2.0FXTC1A	.0443	5.164	W18D2.0FXTC1A	.0483	5.435	W18T2.0FXXTTC1A	.0523	5.730
19	.0359	8.211	8.815	W19S2.0FXTC1A	.0399	4.123	W19D2.0FXTC1A	.0439	4.369	W19T2.0FXXTTC1A	.0479	4.637
20	.0320	10.330	11.090	W20S2.0FXTC1A	.0360	3.299	W20D2.0FXTC1A	.0400	3.521	W20T2.0FXXTTC1A	.0440	3.767
21	.0285	13.030	13.990	W21S2.0FXTC1A	.0325	2.637	W21D2.0FXTC1A	.0365	2.839	W21T2.0FXXTTC1A	.0405	3.065
22	.0253	16.530	17.750	W22S2.0FXTC1A	.0293	2.097	W22D2.0FXTC1A	.0333	2.281	W22T2.0FXXTTC1A	.0373	2.487
23	.0226	20.720	22.240	W23S2.0FXTC1A	.0266	1.690	W23D2.0FXTC1A	.0306	1.858	W23T2.0FXXTTC1A	.0346	2.049
24	.0201	26.190	28.120	W24S2.0FXTC1A	.0241	1.352	W24D2.0FXTC1A	.0281	1.505	W24T2.0FXXTTC1A	.0321	1.681
25	.0179	33.030	35.460	W25S2.0FXTC1A	.0219	1.086	W25D2.0FXTC1A	.0259	1.226	W25T2.0FXXTTC1A	.0299	1.390
26	.0159	41.860	44.940	W26S2.0FXTC1A	.0199	.870	W26D2.0FXTC1A	.0239	.998	W26T2.0FXXTTC1A	.0279	1.150
27	.0142	52.480	56.340	W27S2.0FXTC1A	.0182	.705	W27D2.0FXTC1A	.0222	.824	W27T2.0FXXTTC1A	.0262	.965
28	.0126	66.660	71.560	W28S2.0FXTC1A	.0166	.566	W28D2.0FXTC1A	.0206	.675	W28T2.0FXXTTC1A	.0246	.807
29	.0113	82.880	88.970	W29S2.0FXTC1A	.0153	.464	W29D2.0FXTC1A	.0193	.566	W29T2.0FXXTTC1A	.0233	.690
30	.0100	105.800	113.600	W30S2.0FXTC1A	.0140	.373	W30D2.0FXTC1A	.0180	.467	W30T2.0FXXTTC1A	.0220	.584
31	.0089	133.900	143.800	W31S2.0FXTC1A	.0129	.304	W31D2.0FXTC1A	.0169	.391	W31T2.0FXXTTC1A	.0209	.502
32	.0080	166.200	178.400	W32S2.0FXTC1A	.0120	.252	W32D2.0FXTC1A	.0160	.334	W32T2.0FXXTTC1A	.0200	.440
33	.0071	211.700	228.200	W33S2.0FXTC1A	.0111	.206	W33D2.0FXTC1A	.0151	.283	W33T2.0FXXTTC1A	.0191	.383
34	.0063	269.800	289.600	W34S2.0FXTC1A	.0103	.169	W34D2.0FXTC1A	.0143	.241	W34T2.0FXXTTC1A	.0183	.336
35	.0056	342.800	368.100	W35S2.0FXTC1A	.0096	.139	W35D2.0FXTC1A	.0136	.207	W35T2.0FXXTTC1A	.0176	.299
36	.0050	431.900	463.700	W36S2.0FXTC1A	.0090	.117	W36D2.0FXTC1A	.0130	.181	W36T2.0FXXTTC1A	.0170	.269
37	.0045	535.700	575.100	W37S2.0FXTC1A	.0085	.099	W37D2.0FXTC1A	.0125	.161	W37T2.0FXXTTC1A	.0165	.246
38	.0040	681.900	732.000	W38S2.0FXTC1A	.0080	.084	W38D2.0FXTC1A	.0120	.142	W38T2.0FXXTTC1A	.0160	.224
39	.0035	897.100	963.100	W39S2.0FXTC1A	.0075	.069	W39D2.0FXTC1A	.0115	.125	W39T2.0FXXTTC1A	.0155	.204
40	.0031	1152.000	1237.000	W40S2.0FXTC1A	.0071	.059	W40D2.0FXTC1A	.0111	.112	W40T2.0FXXTTC1A	.0151	.189

- NOTES: 1. Double and triple insulated conductors are included in UL approved Electrical Insulation System designated as NE-F1.
 2. Conductor DC resistance is provided as maximum Ohms/1000 Ft @ 20°C.
 3. Our standard colors for these products include: clear, white, black, red, green, yellow, blue, brown, orange, gray and violet. Most are RoHS Compliant; please contact our design team to discuss your specific requirement.

Use of NEWind® Specialty Winding insulated conductors result in much smaller transformers due to decrease in number of winding wires required and removal of barrier tape and interleaved insulation tapes. Available in single layer of insulation, Supplementary (double layer) and Reinforced (triple layer) styles.



USE: Telecommunication devices, laptop computers, digital cameras, games and other electronic devices such as electronic transformers, power adapters, switching mode power supply modules, battery chargers for mobile phones, motors and coils.

All measurements are in inches unless otherwise stated.