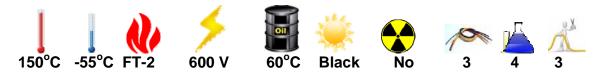


## EXAR<sup>®</sup> 150LT UL 3321/3271 CSA: CL 1503/1251 150°C 600 Volts

Irradiation Cross-Linked Polymeric Insulation

**Exar<sup>®</sup> 150 LT** is a <u>cost effective</u> alternative of an irradiated cross-linked polymeric insulation with UL and CSA ratings for 150°C and 600 volts. Our wire possesses excellent mechanical and electrical properties. Exar<sup>®</sup> is known for it's unparalleled thermal stability, toughness and abrasion resistance. It is compatible with all magnet wire and most varnishes. Irradiation cross-linking assures this insulation will not melt or flow at soldering temperatures. Exar<sup>®</sup> 150 LT processes very well on automated high speed cut and strip equipment.



Part Number	Standard Conductors Tin Copper		n. Dia of Inductor		ulation kness	I	Nom. OD	Finished Weight	Ampacity
		in.	mm.	in.	mm.	in.	mm.	(lbs/mft)	
25-09022	22 (19/34)	.031	.79	.030	.76	.095	2.41	5.81	14
25-09020	20 (19/32)	.038	.97	.030	.76	.103	2.61	7.57	18
25-08018	18 (7/.0152)	.045	1.14	.030	.76	.105	2.67	9.00	24
25-09018	18 (19/.0092)	.045	1.14	.030	.76	.105	2.67	9.00	24
25-09016	16 (26/30)	.058	1.47	.030	.76	.122	3.09	11.90	31
25-09014	14 (41/30)	.073	1.85	.030	.76	.136	3.45	19.00	46
25-09012	12 (65/30)	.093	2.36	.030	.76	.150	3.81	27.10	60
25-09010	10 (65/28)	.111	2.82	.030	.76	.172	4.37	40.5	80
25-09008	8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69.20	106
25-09006	6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111.50	155
25-09004	4 (133/25)	.263	6.68	.060	1.52	.385	9.78	163.90	190
25-09002	2 (259/26)	.323	8.20	.060	1.52	.445	11.30	240.40	232
25-09001	1 (259/25)	.372	9.44	.060	1.52	.492	12.50	315.30	293
25-09090	1/0 (259/24)	.424	10.77	.080	2.03	.588	14.99	421.20	339
25-09000	2/0 (259/23)	.465	11.81	.080	2.03	.629	15.98	507.20	390
25-09029	3/0 (259/22)	.520	13.21	.080	2.03	.684	17.37	627.90	451
25-09040	4/0 (259/21)	.586	14.80	.080	2.03	.750	19.05	776.80	529

\*Ampacity 150°C rated single-insulated conductor in free air at 40°C ambient air temperature



<u>Manufacturing Locations:</u> Colchester, Vermont El Paso, TX Leeds, Massachusetts



## EXAR<sup>®</sup> 150LT UL 3321/3271

## CSA: CL 1503/1251 150°C 600 Volts

Irradiation Cross-Linked Polymeric Insulation

PROPERTIES	EXAR <sup>®</sup> 150LT			
Approvals / Listings:				
UL	STYLE UL3321/3271			
CSA		AWM CL1251, CL1503		
Physical: *				
Temperature Rating	125/150 °C			
Voltage Rating (Vrms)	600V			
Scrape Abrasion Resistance	150 cycles			
Shore "A" Hardness	86			
Shore "D" Hardness	40			
Cold Bend - 4h @ -55°C	Passes			
Bend Radius	3 X Overall Diameter			
Tensile Strength: *				
Unaged	2600 PSI			
Retention after 7 days @ 180 °C		Passes (90%)		
Elongation: *				
Unaged	350%			
Retention after 7 days @ 180 °C	90%			
Flame Test: *				
UL 758 and FT2 Horizontal Burn	Passes			
Chemical Resistance				
Acetone	swell@23°C**	5-10%		
Acid - H2SO4 S.G. 1.260 5%	swell@23°C**	<5%		
Engine Oil – ASTM D-471 IRM-902	swell@50°C**	<5%		
Benzene	swell@23°C/24h	Not Recommended		
Ероху	swell@23°C/24h	<5%		
Gasoline – ASTM D-471 Fuel C	swell@23°C**	<5%		
Methanol	swell@23°C/24h	<5%		
Toluene	swell@23°C/24h	Not Recommended		
Xylene	swell@23°C/24h	Not Recommended		
Electrical: *		0.01		
Dielectric Constant	3.01			
Dielectric breakdown strength (Vrms)	23,000			
Oxygen Index:		26		

\* Properties are tested to UL 758 and UL 1581.

\*\* Percent swell SAE J-1128 TXL

We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purpose. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss and damage arising from the handling and use of our products whether used alone or in combination with other products.



