

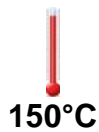


EXAR[®] 150UT UL 3680 CSA AWM 150°C 600 Volts

Irradiation Cross-Linked Polymeric Insulation

UL 3680 150°C 600V CSA AWM ROHS and CE Compliant

Champlain Cable announces **Exar[®] 150 UT**, expanding the Exar family of products. This new product line is rated for UL, CSA. Exar 150UT offers a **lower cost, thin** and flexible insulated hookup wire with a wide operating temperature range. Irradiation cross-linking assures this insulation will not melt or flow at soldering temperatures. It has excellent mechanical strength, cut through resistance and good chemical and solvent resistance. Exar 150UT processes very well on automated high speed cut and strip equipment. Cone-packs are available to maximize the through-put on the fastest automated cut, strip and terminate equipment and reduce cost. The end result is a hookup wire ideally suited to applications where a combination of flexibility, size and performance is required.



Product Number	Standard Conductors Tinned Copper	Nom. Dia of Conductor		Insulation Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
3680-28/XX-B0	28 (7/36)	.015	.38	.016	.41	.049	1.25	1.40	1
3680-26/XX-B0	26 (7/34)	.019	.48	.016	.41	.051	1.30	1.80	3
3680-26/XX-E0	26 (19/38)	.020	.51	.016	.41	.053	1.35	1.87	3
3680-24/XX-B0	24 (7/32)	.024	.61	.016	.41	.056	1.42	2.43	7
3680-24/XX-E0	24 (19/36)	.024	.61	.016	.41	.057	1.45	2.48	7
3680-22/XX-B0	22 (7/30)	.030	.76	.016	.41	.062	1.58	3.40	14
3680-22/XX-E0	22 (19/34)	.031	.79	.016	.41	.063	1.60	3.51	14
3680-20/XX-B0	20 (7/28)	.038	.97	.016	.41	.070	1.78	4.89	18
3680-20/XX-E0	20 (19/32)	.038	.97	.016	.41	.071	1.80	5.10	18
3680-18/XX-B0	18 (7/.0152)	.045	1.14	.016	.41	.077	1.96	6.55	24
3680-18/XX-D0	18 (19/.0092)	.045	1.14	.016	.41	.077	1.96	6.45	24
3680-16/XX-F0	16 (26/30)	.058	1.47	.016	.41	.092	2.34	9.99	31
3680-14/XX-H0	14 (41/30)	.071	1.85	.016	.41	.107	2.72	15.07	46
3680-12/XX-J0	12 (65/30)	.089	2.26	.016	.41	.121	3.07	23.08	60
3680-10/XX-J0	10 (65/28)	.111	2.81	.017	.43	.145	3.68	34.25	80



Manufacturing Locations:
Colchester, Vermont
El Paso, TX
Leeds, Massachusetts



Irradiation Cross-Linked Polymeric Insulation

EXAR[®] 150UT

UL 3680 CSA AWM

150°C 600 Volts

PROPERTIES	EXAR [®] 150 UT	
Approvals / Listings:		
UL	STYLE 3680	
CSA	AWM 150°C 600V	
Physical: *		
Temperature Rating	150°C	
Voltage Rating (Vrms)	600V	
Flexibility - 7 days @ 180 °C	Passes	
Cold Bend - 4h @ -65°C	Passes	
Shore "A" Hardness	98	
Shore "D" Hardness	55	
Bend Radius	5 X overall diameter	
Tensile Strength: *		
Unaged	3000 PSI	
Retention after 7 days @ 180 °C	Passes (100%)	
Elongation: *		
Unaged	375%	
Retention after 7 days @ 180 °C	100%	
Flame Test: *		
UL 758 and FT-2 Horizontal Flame Test	Passes	
Chemical Resistance		
Acetone	swell@23°C/24h	5-10%
Acid – H2SO4 S.G. 1.260 5%	swell@23°C**	<1%
Engine Oil – ASTM D-471 IRM-902	swell@50°C**	1%
Benzene	swell@23°C/24h	Not recommended
Epoxy	swell@23°C/24h	<5%
Gasoline – ASTM D-471 Fuel C	swell@23°C**	2%
Methanol	swell@23°C**	1%
Toluene	swell@23°C/24h	Not recommended
Xylene	swell@23°C/24h	Not recommended
Electrical: *		
Dielectric Constant	2.48	
Dielectric breakdown strength (Vrms)	12,000V	

Sales Offices:

