



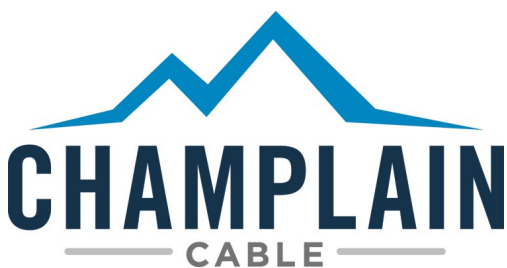
# 150 UT UL 3680 AWM

UL 3680, CSA, 150°C, 600V

- Highly Engineered EXAR® 150UT Irradiation Crosslinked Polyolefin
- Very Thin OD vs. Most Other 600v wires
- Cuts and Strips Consistently on the Latest High-speed Equipment
- Excellent Oil and Chemical Resistance
- Mechanically Tough to Combat Abrasion and Cut-Through
- Great Solution for Applications with Tight Space Requirements



Product Number	Conductor Tinned Copper	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. Finished Diameter		Nom. Finished Weight (lbs/mft)	Ampacity 40°C, Free Air
		in.	mm.	in.	mm.	in.	mm.		
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





# 150 UT

## UL 3680 AWM

PROPERTIES	EXAR 150 UT	
<b>Approvals / Listings:</b>		
UL	STYLE 3680	
CSA	AWM 150°C 600V	
<b>Physical:</b>		
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	
<b>Tensile Strength:</b>		
Unaged	3000 PSI	
Retention after 7 days @ 180 °C	Passes (100%)	
<b>Elongation:</b>		
Unaged	375%	
Retention after 7 days @ 180 °C	100%	
<b>Flame Test:</b>		
UL 758 and FT-2 Horizontal Flame Test	Passes	
<b>Chemical Resistance</b>		
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
<b>Electrical:</b>		
Dielectric Constant		2.48

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

### Manufacturing Locations

Colchester, Vermont

El Paso, Texas

[www.champcable.com](http://www.champcable.com)

