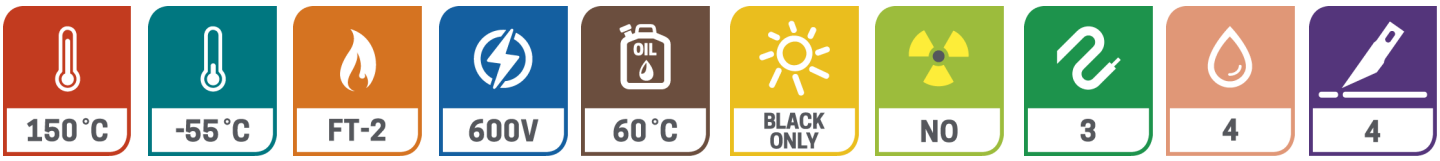
150 UT
UL 3680 AWM

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

CHAMPLAIN CABLE

150 UT
UL 3680 AWM

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

CHAMPLAIN CABLE

Manufacturing Locations

Colchester, Vermont

El Paso, Texas

www.champcable.com