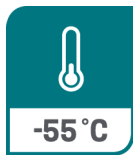
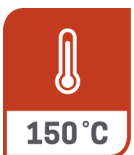




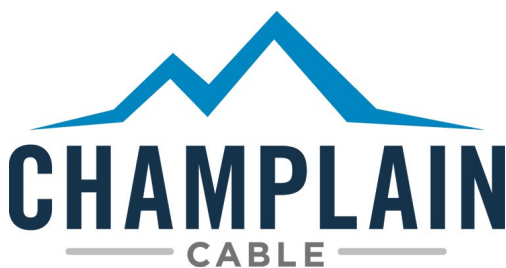
# 150 LT UL 3271 / 3321 AWM CL 1503

UL 3271/3321, CSA, 125°C/150°C, 600V

- Irradiation Crosslinked
- Resistant to Encapsulating Varnishes
- Cost-Effective Option with Robust Performance
- Mechanically Tough
- Won't Melt, Creep or Flow
- Cuts and Strips Consistently on the Latest High-speed Equipment



Conductor Tinned Copper	Nom. OD		Nom. Insulation Thickness		Finished Nom. OD		Finished Weight (lbs/mft)	Ampacity At 40°C, Free Air
	in.	mm.	in.	mm.	in.	mm.		
22 (7/30)	.031	.79	.030	.76	.095	2.41	5.81	14
20 (7/28)	.038	.97	.030	.76	.103	2.61	7.85	18
18 (19/.0092)	.045	1.14	.030	.76	.106	2.69	9.62	25
18 (16/30)	.045	1.14	.030	.76	.105	2.67	9.52	25
16 (26/30)	.058	1.47	.030	.76	.122	3.09	13.3	31
16 (19/0.0117)	.057	1.45	.030	.76	.122	3.09	13.3	31
14 (41/30)	.073	1.85	.030	.76	.136	3.45	19.0	46
12 (65/30)	.093	2.36	.030	.76	.150	3.81	27.1	60
10 (65/28)	.111	2.82	.030	.76	.172	4.37	40.5	80
8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69.2	106
6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111.5	155
4 (133/25)	.263	6.68	.060	1.52	.385	9.78	170.9	190
2 (259/26)	.323	8.20	.060	1.52	.445	11.30	254.5	255
1 (259/25)	.372	9.44	.060	1.52	.492	12.50	335.2	293
1/0 (275/24)	.392	9.96	.080	2.03	.552	14.02	421.0	339
2/0 (323/24)	.440	11.18	.080	2.03	.600	15.14	507.2	390
3/0 (450/24)	.545	13.84	.080	2.03	.705	17.90	627.2	451
4/0 (550/24)	.570	14.47	.080	2.03	.730	18.53	776.8	529





# 150 LT

## UL 3271 / 3321 AWM

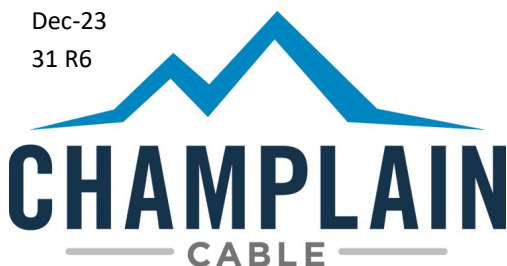
### CL 1503

PROPERTIES	EXAR 150 LT	
<b>Approvals / Listings:</b>		
UL	STYLE 3271 / 3321	
CSA	AWM 125°C / 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	
Room Temperature UL Abrasion	2,400 cycles	
Shore "A" Hardness	94	
Shore "D" Hardness	41	
Bend Radius	3 X overall diameter	
<b>Tensile Strength:</b>		
Unaged	2,600 PSI	
Retention after 7 days @ 180 °C	Passes (100%)	
<b>Elongation:</b>		
Unaged	350%	
Retention after 7 days @ 180 °C	90%	
<b>Flame Test:</b>		
UL 758 FT-2 Horizontal Burn	Passes	
<b>Chemical Resistance</b>		
Acetone	Swell @ 23°C/24h	5-10%
Acid - H2SO4 S.G. 1.260 5%	Swell @ 23°C**	<5%
Methanol	Swell @ 23°C**	< 5%
Benzene	Swell @ 23°C/24h	Not recommended
Epoxy	Swell @ 23°C/24h	<5%
Gasoline - ASTM D-471 Fuel C	Swell @ 23°C**	<5%
Xylene	Swell @ 23°C/24h	Not Recommended
Toluene	Swell @ 23°C/24h	Not recommended
<b>Electrical:</b>		
Dielectric Constant		3.1
Dielectric breakdown strength (Vrms)		23,000
<b>Oxygen Index:</b>		22

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

Dec-23

31 R6



### Manufacturing Locations:

Colchester, Vermont

El Paso, Texas

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