



# 150 XLE

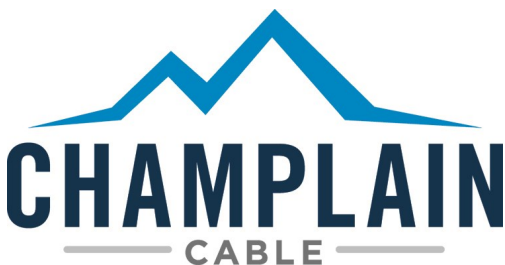
## UL 3271 AWM

UL 3271, CSA, 125°C, 600V, CL1251

- Highly Engineered Exar® XLE Irradiation Crosslinked Fluoroelastomer
- Our Most Flexible EXAR Material
- Won't Melt, Creep or Flow
- Processes Very Well on the Latest Automated Equipment
- Highly Oil and Methanol Resistant
- Superior Low-Temperature Performance



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.		
3271-XL-22-E0	22 (19/34)	.031	.79	.030	.76	.095	2.41	5.81	14
3271-XL-20-E0	20 (19/32)	.038	.97	.030	.76	.103	2.61	7.57	16
3271-XL-18-B0	18 (7/.0152)	.045	1.14	.030	.76	.105	2.67	9.00	24
3271-XL-18-E0	18 (19/.0092)	.045	1.14	.030	.76	.105	2.67	9.00	24
3271-XL-16-F0	16 (26/30)	.058	1.47	.030	.76	.122	3.09	11.90	31
3271-XL-14-H0	14 (41/30)	.073	1.85	.030	.76	.136	3.45	19.00	46
3271-XL-12-J0	12 (65/30)	.093	2.36	.030	.76	.150	3.81	27.10	60
3271-XL-10-J0	10 (65/28)	.111	2.82	.030	.76	.172	4.37	40.50	80
3271-XL-08-X0	8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69.20	106
3271-XL-06-X0	6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111.50	155
3271-XL-04-L0	4 (133/25)	.263	6.68	.060	1.52	.385	9.78	163.90	190
3271-XL-02-M0	2 (259/26)	.323	8.20	.060	1.52	.445	11.30	240.40	232
3271-XL-01-M0	1 (259/25)	.372	9.44	.060	1.52	.492	12.50	315.30	293
3271-XL-1-M0	1/0 (259/24)	.424	10.77	.080	2.03	.588	14.99	421.20	339
3271-XL-2-M0	2/0 (259/23)	.465	11.81	.080	2.03	.629	15.98	507.20	390
3271-XL-3-M0	3/0 (259/22)	.520	13.21	.080	2.03	.684	17.37	627.90	451
3271-XL-4-M0	4/0 (259/21)	.586	14.80	.080	2.03	.750	19.05	776.80	529
3271-XL-260	260 MCM 646/24	.657	16.69	.095	2.41	.847	21.51	877.00	542
3271-XL-313	313 MCM 779/24	.720	18.29	.095	2.41	.910	23.11	1093.00	620
3271-XL-375	375 MCM 932/24	.785	19.94	.095	2.41	.975	24.77	1277.00	706
3271-XL-500	500 MCM 1330/24	.943	23.95	.095	2.41	1.133	28.78	1766.00	827



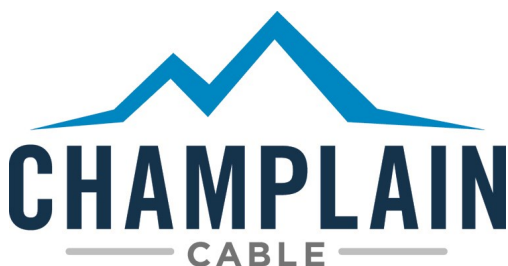


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PROPERTIES	EXAR® XLE	
<b>Approvals / Listings:</b>		
UL	UL 3271	
CSA	AWM CL1251	
<b>Physical:</b>		
Temperature Rating	125 °C	
Voltage Rating (Vrms)	600V	
Flexibility - 7 days @ 136 °C	Pass	
Cold Bend - 4h @ -70°C	Pass	
<b>Tensile Strength:</b>		
Unaged	2123 psi	
Retention after 7 days @ 150° C	100%	
<b>Elongation:</b>		
Unaged	400%	
Retention after 7 days @ 150° C	83%	
<b>Flame Test:</b>		
UL Horizontal -	Pass	
<b>Chemical Resistance</b>		
Acetone	Swell @23°C**	Not recommended
Acid - H2SO4 S.G. 1.260 5%	Swell @23°C**	1.5%
Engine Oil - ASTM D-471 IRM-902	Swell @110°C**	3.0%
Benzene	Swell @23°C/24h	Not recommended
Epoxy	Swell @23°C/24h	NA
Gasoline - ASTM D-471 Fuel C	Swell @23°C**	11.1%
Methanol	Swell @23°C/24h	<1.0%
Toluene	Swell @23°C/24h	Not recommended
Xylene	Swell @23°C/24h	Not recommended
<b>Electrical:</b>		
Dielectric breakdown strength (Vrms)	30,000 volts	
<b>Oxygen Index:</b> (D2868 Standard)	24	

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)