



# XLE

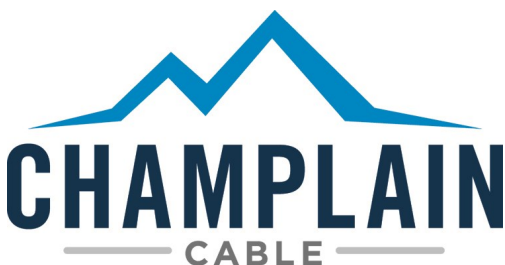
## UL 3657 / CL 1251

UL 3657, 105°C, 1000V / 1250DC

- Highly Engineered EXAR® XLE Irradiation Cross-linked Elastomer
- Superior Oil Resistance
- Accepts Many Over-Molding Materials
- Excellent alternative to rubber and Hypalon® wires
- Highly Flexible For Tight Routing
- Excellent Low Temperature Flexibility



Product Number	Standard Conductors Tinned Copper	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. OD		Finished Weight (lbs/kft)	Ampacity 40C, Free Air
		in.	mm.	in.	mm.	in.	mm.		
3657-24/XX-B0	24 (7/32)	.024	.61	.031	.79	.086	2.18	4.48	5
3657-22/XX-B0	22 (7/30)	.030	.76	.031	.79	.092	2.34	5.59	9
3657-20/XX-B0	20 (7/28)	.038	.97	.031	.79	.100	2.59	7.32	12
3657-18/XX-D0	18 (19/.0092)	.045	1.14	.031	.79	.107	2.72	9.26	18
3657-16/XX-F0	16 (19/.0117)	.058	1.47	.031	.79	.120	3.05	13.04	24
3657-14/XX-H0	14 (41/30)	.071	1.85	.031	.79	.133	3.38	18.5	39
3657-12/XX-J0	12 (65/30)	.089	2.26	.031	.79	.151	3.84	27.0	51
3657-10/XX-J0	10 (65/28)	.111	2.81	.031	.79	.173	4.39	40.4	67
3657-08/XX-X0	8 (84/27)	.147	3.73	.046	1.17	.241	6.12	69.3	90
3657-06/XX-M0	6 (259/30)	.201	5.10	.060	1.52	.330	8.38	105	121
3657-04/XX-O0	4 (413/30)	.265	6.73	.060	1.52	.385	9.78	158	160
3657-02/XX-P0	2 (665/30)	.330	8.38	.060	1.52	.450	11.43	243	215
3657-01/XX-R0	1 (836/30)	.375	9.52	.080	2.03	.535	13.34	326	247
3657-1/XX-S0	1/0 (1045/30)	.415	10.54	.080	2.03	.575	14.61	382	286
3657-2/XX-U0	2/0 (1330/30)	.475	12.07	.080	2.03	.635	16.13	495	329
3657-3/XX-V0	3/0 (1672/30)	.535	13.59	.080	2.03	.695	17.65	594	380
3657-4/XX-W0	4/0 (2109/30)	.570	14.48	.080	2.03	.750	19.05	740	446
3657-260/XX-0	260 MCM 646/24	.657	16.69	.095	2.41	.847	21.51	877	493
3657-313/XX-0	313 MCM 779/24	.720	18.29	.095	2.41	.910	23.11	1093	552
3657-375/XX-0	375 MCM 932/24	.785	19.94	.095	2.41	.975	24.77	1277	625
3657-535/XX-0	535 MCM 1330/24	.943	23.95	.095	2.41	1.133	28.78	1766	767





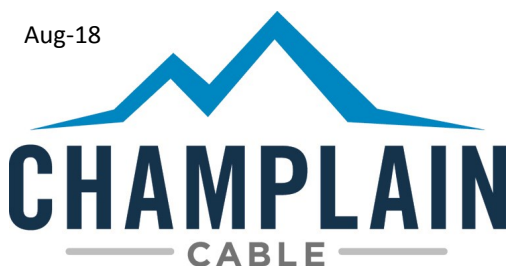
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PROPERTIES	EXAR® XLE	
<b>Approvals / Listings:</b>		
UL	UL 3657	
CSA	AWMA/B CL 1251	
<b>Physical: *</b>		
Temperature Rating	105 °C	
Voltage Rating (Vrms)	1,000V	
Flexibility - 7 days @ 136 °C	Pass	
Cold Bend - 4h @ -70°C	Pass	
<b>Tensile Strength: *</b>		
Unaged	2,123 psi	
Retention after 7 days @ 136° C	100%	
<b>Elongation: *</b>		
Unaged	254%	
Retention after 7 days @ 136°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**	3.1%
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 Constant 150/100MHz		NA
Dielectric breakdown strength (Vrms)		30,000 volts
<b>Oxygen Index: (D2868 Standard)</b>		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

Aug-18



### Manufacturing Locations:

Colchester, Vermont

El Paso, Texas

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