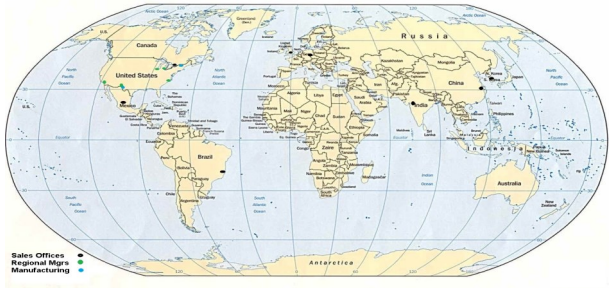
XLE
UL 3657 / CL 1251

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

CHAMPLAIN CABLE



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PROPERTIES		EXAR® XLE
Approvals / Listings:		
UL		UL 3657
CSA		AWM A/B C L 1251
Physical: *		
Temperature Rating		105 °C
Voltage Rating (Vrms)		1,000V
Flexibility - 7 days @ 136 °C		Pass
Cold Bend - 4h @ -70°C		Pass
Tensile Strength: *		
Unaged		2,123 psi
Retention after 7 days @ 136° C		100%
Elongation: *		
Unaged		254%
Retention after 7 days @ 136°C		83%
Flame Test: *		
UL Horizontal –		Pass
Chemical Resistance		
Acetone	Swell @ 23°C**	Not recommended
Acid - H2S04 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
Electrical: *		
Dielectric Constant 150/100MHz		NA
Dielectric breakdown strength (Vrms)		30,000 volts
Oxygen Index: (D2868 Standard)		24

Aug-18

CHAMPLAIN CABLE

Manufacturing Locations:

Colchester, Vermont

El Paso, Texas

www.champcable.com