



150 XLE

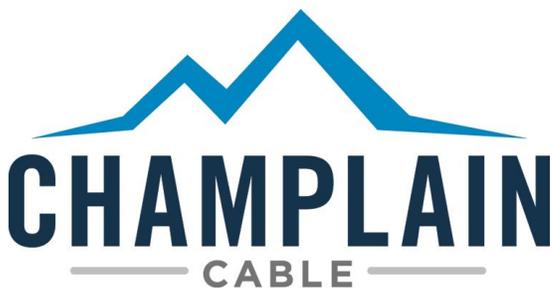
High Voltage Shielded Battery Cable

600V / 1000V, 150°C, SAE

- Highly Engineered EXTRAD® 150 XLE Irradiation Crosslinked Elastomer
- Very Flexible for Tight Spaces and Easy Routing
- Smaller and Tougher than Silicone or EPDM alternatives
- Exceeds J-1127 STX requirements
- Withstands Thermal Excursions to 240°C +
- Highly Oil Resistant
- Excellent Low-Temperature Performance



Product Number	Standard Conductor Bare Copper	Nom. Conductor Diameter		Nom. Primary Diameter		Nom. Shield Diameter		Nom. Final Diameter		Shield Coverage	Min. Static Bend Radius	Finished Weight (lbs/mft)	Ampacity (40°C Free Air)
		in.	mm.	in.	mm.	in.	mm.	in.	mm.				
600V													
EXRAD-XLX-10X	10 (105/30)	.112	2.84	.162	4.11	.184	4.67	.234	5.94	95%	30mm	59.0	80
1000V													
EXRAD-XLX-8X	8 (133/29)	.166	4.22	.236	5.99	.254	6.45	.304	7.72	95%	39mm	92.0	106
EXRAD-XLX-6X	6 (133/27)	.195	4.95	.265	6.73	.283	7.19	.333	8.46	95%	42mm	126.0	155
EXRAD-XLX-4X	4 (133/25)	.242	6.15	.312	7.92	.330	8.37	.390	9.91	95%	50mm	187.0	190
EXRAD-XLX-2X	2 (665/30)	.318	8.08	.388	9.86	.410	10.41	.490	12.45	95%	60mm	295.0	255
EXRAD-XLX-1X	1 (779/30)	.346	8.79	.446	11.33	.469	11.91	.529	13.44	95%	95mm	335.0	293
EXRAD-XLX-1/OX	1/0 (1007/30)	.390	9.91	.500	12.70	.528	13.41	.588	14.91	95%	105mm	412.0	339
EXRAD-XLX-2/OX	2/0 (1254/30)	.438	11.13	.558	14.17	.586	14.83	.666	16.92	95%	115mm	534.0	390
EXRAD-XLX-3/OX	3/0 (1615/30)	.475	12.07	.595	15.11	.623	15.82	.703	17.86	95%	125mm	620.0	451
EXRAD-XLX-4/OX	4/0 (2107/30)	.602	15.29	.722	18.34	.750	19.05	.830	21.08	95%	150mm	876.0	529





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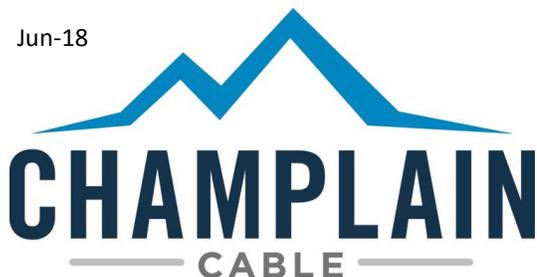
High Voltage

Shielded Battery Cable

Property / Attribute		SAE J1127/1654 STX Req.	EXRAD XLE 2 AWG Typical Perfor- mance
Dielectric Strength			
Dielectric Test	AC Dielectric Test SAE J1654 2012-10 1000 volts rated	3000 volts AC, 35 min.	Pass
Spark Test	10,000 Volts AC	NA	100% Pass
Flame Resistance			
Flame Test	Maximum time after burn	70 Sec	0 sec
Thermal Performance			
Cold Bend	4 hours at temperature no cracks / breakdown	ISO 6722	-40°C
Temperature Rating	240 Hours heat aging ISO 6722 10.2		175°C
Temperature Rating	3000 Hours		150°C
Mechanical Properties			
Tensile	Minimum psi		1600
Elongation	Minimum %		200
Abrasion	Sand Paper Resistance Length in. 4lb		NA
Fluids			
Engine Oil	ASTM D471, IRM-902	50 +/-3 °C	15% Max.
Gasoline	ASTM D471 Ref. Fuel C	23 +/-5 °C	15% Max.
Ethanol	85% Ethanol + 15% ASTM D471, Ref. Fuel C	23 +/-5 °C	15% Max.
Diesel Fuel	ASTM D471, 90% IRM-903 + 10% p-xylene	50 +/-3 °C	15% Max.
Power Steering	ASTM D471, IRM-903	50 +/-3 °C	30% Max.
Auto Transmission	Dexron III	50 +/-3 °C	25% Max.
Auto Transmission	Dexron VI	50 +/-3 °C	25% Max.
Engine Coolant	50% Ethylene Glyco + 50% distilled Water	50 +/-3 °C	15% Max.
Battery Acid	H2SO4 Specific Gravity = 1.260 +/- .005	23 +/-5 °C	5% Max.
Hot Water	2.5 m in 85°C Salt Sol. for 5 seven day cycles. IR >10 ⁹ Ω *mm, pass 1 Kv dielectric		Jacket >10 ⁹ Ω *mm, Passed Dielectric

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

Jun-18



Manufacturing Locations:
Colchester, Vermont
El Paso, Texas
www.champcable.com