



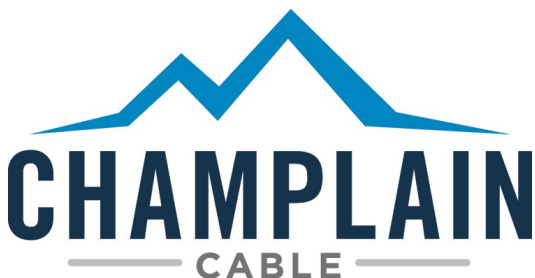
# XLE 200 AWG Blocked Transmission Wire

SAE TXL Dimensions, 200°C, 60V

- Highly Engineered EXTRAD<sup>®</sup> XLE 200 Irradiation Crosslinked Fluoroelastomer
- Custom-Engineered Silicone Fluid Blocking Material
- Survives Temperature Spikes of 275°C and Higher
- Performs in Engines and Transmissions When Other Products Crack and Leak
- More Robust Performance for Today's Longer Warranties
- Blocks Fluid Migration Through Conductor Strands



Product Number	Standard Conductors	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. Finished Diameter		Finished Weight (lbs/mft)
	BC or TC	in.	mm.	in.	mm.	in.	mm.	
EXRAD-200XBT-24XX	24 (7/32)	.024	.61	.016	.41	.054	1.37	2.91
EXRAD-200XBT-22XX	22 (7/30)	.031	.79	.016	.41	.063	1.60	3.96
EXRAD-200XBT-20XX	20 (7/28)	.038	.97	.016	.41	.070	1.78	5.58
EXRAD-200XBT-18XX	18 (19/30)	.049	1.19	.016	.41	.081	1.98	7.34
EXRAD-200XBT-16XX	16 (19/29)	.057	1.45	.016	.41	.089	2.26	10.25



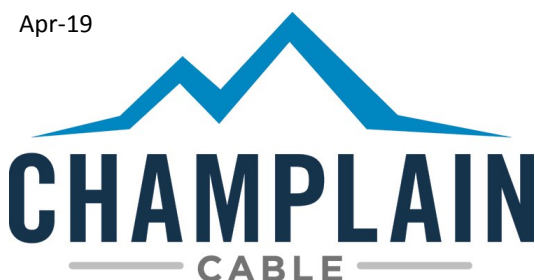


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ISO 6722-1 Class F Thin wall			EXRAD XLE200	
Section	Description	Requirement	Typical Results (0.5mm <sup>2</sup> Sample)	
5.7	Insulation Volume Resistivity	10 <sup>9</sup> Ω /mm min.	1.39 10 <sup>15</sup> Ω /mm,	Pass
5.8	Pressure at High Temperature	‘1.1N @ 200°C no dielectric breakdown	No breakdown	Pass
5.9	Strip Force / Adhesion	Per customer agreement	56N	Pass
5.10	Low Temperature Winding	3 tns 0.5kg - 40°C no dielectric breakdown	No dielectric breakdown, No cracking,	Pass
5.11	Impact	100gm @-40°C no breakdown	No breakdown	Pass
5.12.4.1	Sandpaper Abrasion	.2kg 300mm min	672mm	Pass
5.12.4.2	Scrape Abrasion	Per customer agreement	357	Pass
5.13	Long-Term Heat Aging	200°C 3000 hours	No breakdown, no cracks	Pass
5.15	Thermal Overload	250°C 6 hours	No breakdown, no cracks	Pass
5.16	Shrinkage by heat	2mm max. 150°C	No shrinkage	Pass
5.17	Fluid Compatibility			
		Gasoline 15% max.	1%	Pass
		Diesel Fuel 15% max.	1%	Pass
		Engine Oil 15% max.	1%	Pass
		Ethanol 15% max.	0%	Pass
		Power Steering 30% max	1%	Pass
		Automatic Transmission 25% max.	1%	Pass
		Engine Coolant 15% max	0%	Pass
		Battery Acid no breakdown	No breakdown	Pass
5.19	Ozone Resistance	45°C 85% Relative Humidity 70 hours, Ozone 50 +/- 5 pphm 1kV 1 min. (no breakdown)	No breakdown	Pass
5.20	Resistance to hot water	Not less than 10-5 ohm-mm	9.28X10 <sup>12</sup> ohm-mm	Pass
5.21	Temperature and Humidity Cycling	40 - 8 hours cycles -40°C and 125°C 80 - 100% relative humidity	No dielectric breakdown, No cracking	Pass
5.22	Resistance to Flame Propagation	70 sec. max. 50mm unburned	1 sec. after burn	Pass

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

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**Manufacturing Locations:**  
Colchester, Vermont  
El Paso, Texas  
[www.champcable.com](http://www.champcable.com)