



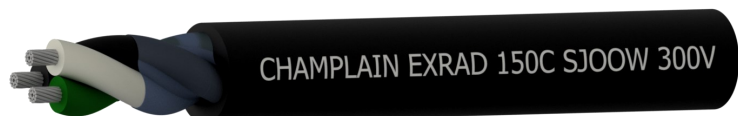
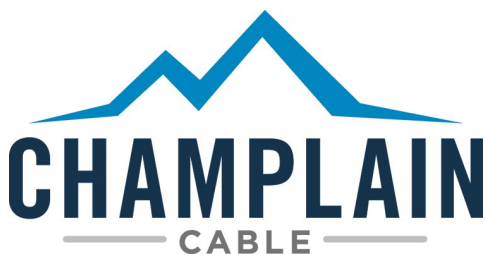
150 XLE SJ00W Cables

ISO-6722-1, 150°C, 600V // UL SJ00W 105°C, 300V

- EXRAD® Irradiation Cross-linked Materials Provide Robust, Long-Term Performance
- -50°C to +150°C Temperature Performance
- EXRAD 150 XLE Accepts Many Over-Molding Materials Ensuring a Water Tight Seal
- Very Flexible for Ease of Installation
- Dual-Rated Automotive and UL SJ00W Cable
- Insulation and Jacket Materials Meet ISO-6722-1, Class D, 600V
- Primaries Meet UL 3289 600V, 150°C
- Cable Meets UL SJ00W 300V, 105°C
- Shielding and Other Conductor Counts Available, Consult Factory



Product Number	Conductor Count	BC Conductor Size and Strand	Cond OD in/mm		Insulated OD in/mm		Core OD in/mm		Finished Cable OD in/mm	
EXRAD-SJ00W-18/3	3	18 (19/.0092")	0.045	1.14	0.109	2.77	0.240	6.08	0.310	7.86
EXRAD-SJ00W-16/3	3	16 (19/29)	0.055	1.40	0.123	3.12	0.264	6.70	0.334	8.48
EXRAD-SJ00W-14/3	3	14 (41/30)	0.070	1.82	0.142	3.60	0.308	7.82	0.372	9.44
EXRAD-SJ00W-12/3	3	12 (65/30)	0.088	2.24	0.164	4.16	0.356	9.04	0.429	10.90
EXRAD-SJ00W-10/3	3	10 (105/30)	0.111	2.82	0.201	5.10	0.436	11.07	0.570	14.50





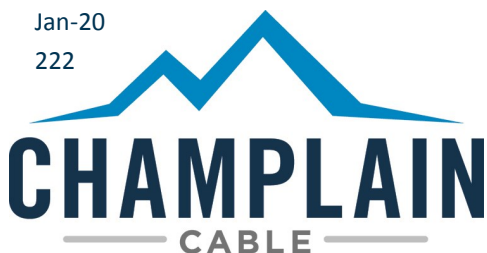
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ISO Section	Description	Requirement	Typical Results XLE jacket	
5.7	Insulation Volume Resistivity	10 ⁹ Ω /mm min.	1.66 10 ¹⁶ Ω /mm	Pass
5.8	Pressure at High Temperature	'0.8N @150°C no dielectric breakdown	no breakdown	Pass
5.10	Low Temperature Winding	3 turns 2.5kg - 40°C no dielectric breakdown	No dielectric breakdown, no cracking,	Pass
5.11	Impact	300gm @-40°C no breakdown	no breakdown,	Pass
5.13	Long-Term Heat Aging	150°C 3000 hours	no breakdown, no cracks	Pass
5.15	Thermal Overload	200°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.	7.5%	Pass
		Diesel Fuel 15% max.	2.7%	Pass
		Engine Oil 15% max.	3.2%	Pass
		Ethanol 15% max.	4.7%	Pass
		Power Steering 30% max	4.1%	Pass
		Automatic Transmission 25% max	3.2%	Pass
		Engine Coolant 15% max	0.4%	Pass
		Battery Acid	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	10-14 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	70 sec. max. 50mm unburned	1 sec.	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

Jan-20

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