



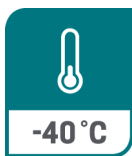
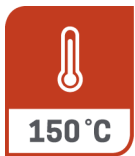
EXRAD ERGO FLEX™

JASO EEHX

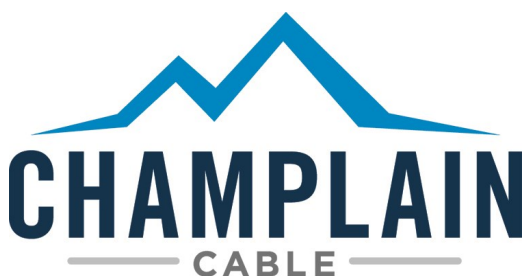
High Voltage Cable

1,000VAC / 1,500VDC, 150°C, Unshielded

- Revolutionary EXTRAD ERGO FLEX™ Irradiation Crosslinked Polyolefin (XLPO)
- Meets or Exceeds all JASO D624:2015 Requirements, Including all Fluids
- Ultimate Flexibility, Thin, Fluid Resistant and Tough
- Performs at Higher Temperatures for Longer Periods of Time
- Excellent Compression Set Properties for Connector Sealing: 92% Retention
- Designed to Improve Ergonomics and Reduce Operator Movement / Fatigue



Product Number	Bare Copper Conductors	Conductor Diameter mm / nom	Insulation Thickness mm / nom	Finished Diameter mm / nom	Static Bend Radius mm / min	Finished Weight kg/KM nom	Max Conductor Resistance 20°C MΩ per M
EXRAD-JASOHV-5	5.0mm ² (58/.32)	2.8	0.64	4.40	13	59	3.94
EXRAD-JASOHV-6	6.0mm ² (37/.45)	3.2	0.64	4.15	14	61	3.15
EXRAD-JASOHV-8	8.0mm ² (98/.32)	4.0	0.80	5.56	17	88	2.38
EXRAD-JASOHV-12	12mm ² (154/.32)	5.0	1.00	7.00	21	134	1.52
EXRAD-JASOHV-15	15mm ² (171/.32)	5.3	1.10	7.50	22	151	1.37
EXRAD-JASOHV-20	20mm ² (247/.32)	6.5	1.10	8.70	26	211	0.946
EXRAD-JASOHV-30	30mm ² (361/.32)	7.8	1.40	10.60	32	311	0.647
EXRAD-JASOHV-40	40mm ² (494/.32)	8.2	1.13	10.50	32	365	0.473
EXRAD-JASOHV-50	50mm ² (608/.32)	10.1	1.50	13.10	39	570	0.381
EXRAD-JASOHV-100	100mm ² (1349/.32)	14.9	1.60	18.10	54	1,089	0.173





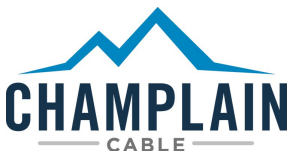
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Properties		Unit	Limits	Result value	Test Method
				40sq	
Conductor resistance		Ω/m	0.000381 (40sq)	0.00431	Jaso D624
Withstand voltage	Spark	-	Withstand 8kV	Pass	Jaso D624
	Under Water	-	5kV after 1kV/30min	Pass	Jaso D624
Insulation resistance		Ωmm	10 ¹⁴	2.1 x 10 ¹⁷	Jaso D624
Heat deformation		-	150°C/4hrs, 1kV/1min	Pass	Jaso D624
Low temperature winding		-	-40°C/4hrs, 1kV/1min	Pass	Jaso D624
Short-term aging		-	175°C/240hrs, -25°C/4hrs 1kV/1min	Pass	Jaso D624
Long-term aging		-	150°C/3000hrs, 1kV/1min	Pass	Jaso D624
Termal overload		-	200°C/6hrs, 1kV/1min	Pass	Jaso D624
Heat shrinkage		mm	150°C/15min, <1mm	0 mm	Jaso D624
Fluid compatibility	Immersion	-	Not Exceeding Max. Diameter Change Rate, Withstand 1kV/1min	Pass	Jaso D624
	Battery fluid	-	90°C/8hrs/2times, Withstand 1kV/1min	Pass	Jaso D624
Ozone resistance		-	65°C/192hrs, no crack	Pass	Jaso D624
Hot water resistance		ΩMM	Min. 10 ¹¹ , 1kV/1min	Pass 8.1x10 ¹³	ISO-19642-5
Enviromental cycling		-	-40~150°C 90%Rh 40 cycle, 1kV/1min	Pass	Jaso D624
Non-flammability test		s	Extinguish within 10	7	Jaso D624
Durability test		-	Shall remain legible	No Marking Removed	ISO 19642 - 2 5.4.12
Abrasion resistance		mm	Min. 1500 (Mass 1900g)	13230 mm	Jaso D624
Insulation shrinkage		mm	< 0.5	0 mm	Jaso D624

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



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

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