



155 ZH

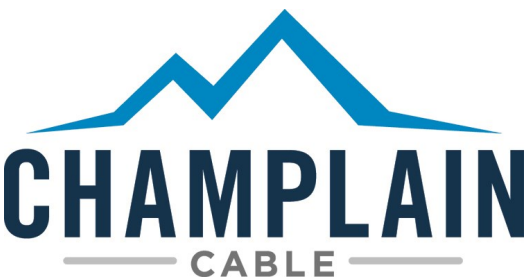
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LSZH, UL 3271/3289, CSA, 125°C/150°C, 600VAC / 750VDC

- Highly Engineered Exar® 155-ZH LSZH Irradiation Crosslinked Polyolefin
- Flame, Oil and Chemical Resistant
- Cuts and Strips Consistently on the Latest High-Speed Equipment
- Crosslinked to Eliminate Melting, Creeping and Flowing When Under Stress
- “Best-In-Class” Varnish Resistance
- Thin OD Yet Tougher than Other Motor Leads



Product Number	Standard Conductors Tin Copper	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. Finished Diameter		Finished Weight (lbs/mft)	Ampacity (40°C, Free Air)
		in.	mm.	in.	mm.	in.	mm.		
3289-ZH-22-E0	22 (19/34)	.031	.79	.030	.76	.095	2.41	5.8	14
3289-ZH-20-E0	20 (19/32)	.038	.97	.030	.76	.103	2.61	7.5	18
3289-ZH-18-B0	18 (7/.0152)	.045	1.14	.030	.76	.105	2.67	9.0	24
3289-ZH-18-E0	18 (19/.0092)	.045	1.14	.030	.76	.105	2.67	9.0	24
3289-ZH-16-F0	16 (26/30)	.058	1.47	.030	.76	.122	3.09	11.9	31
3289-ZH-14-H0	14 (41/30)	.073	1.85	.030	.76	.136	3.45	19.0	46
3289-ZH-12-J0	12 (65/30)	.093	2.36	.030	.76	.150	3.81	27	60
3289-ZH-10-J0	10 (65/28)	.111	2.82	.030	.76	.172	4.37	40	80
3289-ZH-08-X0	8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69	106
3289-ZH-06-X0	6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111	155
3289-ZH-04-L0	4 (133/25)	.263	6.68	.060	1.52	.385	9.78	163	190
3289-ZH-02-M0	2 (361/.0135)	.330	8.38	.060	1.52	.450	11.43	240	232
3289-ZH-01-M0	1 (361/.0152)	.375	9.52	.080	2.03	.535	13.59	315	293
3289-ZH/1-M0	1/0 (275/24)	.392	9.96	.080	2.03	.552	14.02	421.0	339
3289-ZH/2-M0	2/0 (323/24)	.440	11.18	.080	2.03	.600	15.14	507.2	390
3289-ZH/3-M0	3/0 (450/24)	.545	13.84	.080	2.03	.705	17.90	627.2	451
3289-ZH/4-M0	4/0 (550/24)	.570	14.47	.080	2.03	.730	18.53	776.8	529
3289-ZH250-00	250 MCM (427/.0242)	.653	16.58	.095	2.41	.843	21.41	931	585
3289-ZH300-00	300 MCM (427/.0265)	.716	18.19	.095	2.41	.906	23.01	1,100	654
3289-ZH350-00	350 MCM (427/.0286)	.772	19.74	.095	2.41	.962	24.43	1,268	724





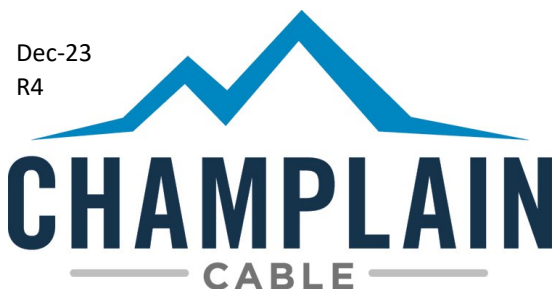
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PROPERTIES	EXAR 155ZH	
Physical: *		
Temperature Rating	150 °C	
Voltage Rating (Vrms)	600 V AC / 750V DC	
Flexibility - 7 days @ 180 °C	Passes	
Cold Bend - 4h @ -65°C	Passes	
Room Temperature UL Abrasion	1500 cycles	
Shore "A" Hardness	83	
Shore "D" Hardness	33	
Bend Radius	3 X overall diameter 0.25mm ² - 35mm ² 4 X overall diameter 35mm ² - 95mm ²	
Tensile Strength: *		
Unaged	2,150 PSI	
Retention after 7 days @ 180 °C	>80%	
Elongation: *		
Unaged	300%	
Retention after 7 days @ 180 °C	>80%	
Flame Test: *		
UL Horizontal	Passes 0.25mm ² - 2.5mm ²	
UL VW-1	Passes 4.0mm ² - 95mm ²	
IEEE Std. 383-1974	Passes 4.0mm ² - 95mm ²	
Chemical Resistance		
Acetone	Swell @23°C/24h	Not recommended
Acid - H2SO4 S.G. 1.260 5%	Swell @23°C**	<5%
Engine Oil - ASTM D-471 IRM-902	Swell @50°C**	<5%
Benzene	Swell @23°C/24h	Not recommended
Epoxy	Swell @23°C/24h	<5%
Gasoline - ASTM D-471 Fuel C	Swell @23°C**	<5%
Methanol	Swell @23°C**	<5%
Toluene	Swell @23°C/24h	Not recommended
Xylene	Swell @23°C/24h	Not recommended
Electrical: *		
Dielectric Constant	4.0	
Dielectric breakdown strength (Vrms)	18,000	
Oxygen Index:	31	

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