



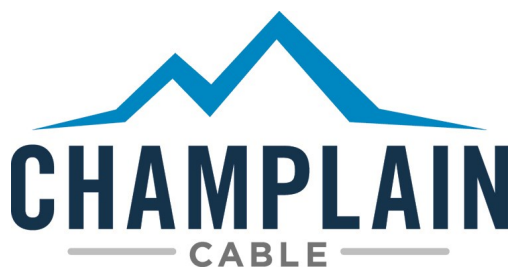
125 ZH

UL 3271 AWM

- Low-Smoke, Halogen-Free (LSHF)
- UL / CSA 125°C, 600V
- Irradiation Crosslinked
- Won't Melt, Creep or Flow
- RoHS Compliant, Heavy Metal Free
- Excellent Oil and Chemical Resistance
- Mechanically Tough
- Cuts and strips consistently on the latest high-speed equipment



Product Number	Conductor Tin Copper	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. Finished Diameter		Nom. Finished Weight (lbs/mft)	Ampacity (40C, Free Air)
		in.	mm.	in.	mm.	in.	mm.		
3271-ZH-22-E0	22 (7/30)	.031	.79	.030	.76	.095	2.41	5.8	14
3271-ZH-20-E0	20 (19/32)	.038	.97	.030	.76	.103	2.61	7.5	16
3271-ZH-18-B0	18 (7/.0152)	.045	1.14	.030	.76	.105	2.67	9.0	24
3271-ZH-18-E0	18 (19/.0092)	.045	1.14	.030	.76	.105	2.67	9.0	24
3271-ZH-16-F0	16 (26/30)	.058	1.47	.030	.76	.122	3.09	12	31
3271-ZH-14-H0	14 (41/30)	.073	1.85	.030	.76	.136	3.45	19	42
3271-ZH-12-J0	12 (65/30)	.093	2.36	.030	.76	.150	3.81	27	55
3271-ZH-10-J0	10 (65/28)	.111	2.82	.030	.76	.172	4.37	40	72
3271ZH-08-X0	8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69	97
3271-ZH-06-X0	6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111	131
3271-ZH-04-L0	4 (133/25)	.263	6.68	.060	1.52	.385	9.78	164	172
3271-ZH-02-M0	2 (259/26)	.323	8.20	.060	1.52	.445	11.30	240	232
3271-ZH-01-M0	1 (259/25)	.372	9.44	.060	1.52	.492	12.50	315	266
3271-ZH-/1-M0	1/0 (259/24)	.424	10.77	.060	1.52	.544	13.81	415	309
3271-ZH/2-M0	2/0 (259/23)	.465	11.81	.060	1.52	.585	14.85	500	355
3271-ZH/3-M0	3/0 (259/22)	.520	13.21	.060	1.52	.640	16.25	620	410
3271-ZH/4-M0	4/0 (259/21)	.586	14.88	.060	1.52	.706	17.92	770	481



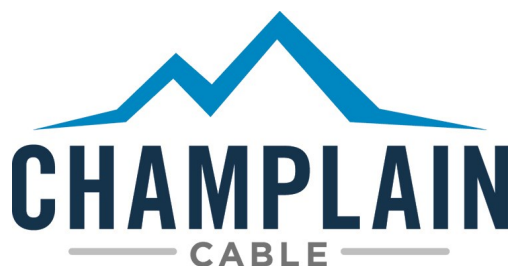


125 ZH

UL 3271 AWM

PROPERTIES	EXAR® 125 ZH
Approvals / Listings:	
UL	UL STYLE 3271
CSA	AWM CL1251
Physical Properties:	
Temperature Rating (UL 3271)	125°C
Voltage Rating (Vrms)	600V
Scrape Abrasion Resistance	1,500 cycles
Shore "A" Hardness	83
Shore "D" Hardness	33
Cold Bend - 4h @ -40°C	Passes
Bend Radius	5 - 7 x Overall Diameter
Tensile Strength:	
Unaged	2,150 psi
Retention after 7 days @ 180°C	Pass (> 80%)
Elongation:	
Unaged	300%
Retention after 7 days @ 180°C	Pass (> 80%)
Flame Test:	
UL 758 and FT2 Horizontal Burn 22 - 10 AWG, VW-1 FT1 8 AWG—4/0	Passes
Smoke Emission	
Per MIL-DTL-24643/59 (Ref NES 711)	Pass
Chemical Resistance	
Acetone	Swell @ 23°C**
Acid - H2SO4 S.G. 1.260 5%	Swell @ 23°C**
Engine Oil - ASTM D-471 IRM-902	Swell @ 50°C**
Benzene	Swell @ 23°C/24h
Epoxy	Swell @ 23°C/24h
Gasoline - ASTM D-471 Fuel C	Swell @ 23°C**
Methanol	Swell @ 23°C/24h
Toluene	Swell @ 23°C/24h
Xylene	Swell @ 23°C/24h
Mineral Oil	Swell @ 23°C/24h
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



Manufacturing Locations:

Colchester, Vermont

El Paso, Texas

www.champcable.com