



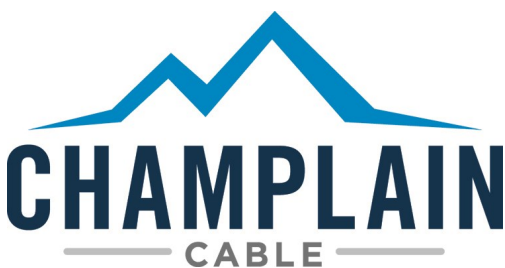
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UL 3271 / AWM

- UL / CSA 125°C, 600V,
- AWM, CL 1251
- Irradiation Crosslinked
- Won't Melt, Creep or Flow
- Superior Processing on Automated Equipment
- Excellent Flame, Oil and Chemical Resistance
- Thin OD Yet Very Tough
- RoHS3 Compliant



Conductor Tinned Copper	Nom. Conductor Diameter		Nom Insulation Thickness		Nom. Finished Diameter		Nom Finished Weight (lbs/mft)	Ampacity (40°C, Free Air)
	in.	mm.	in.	mm.	in.	mm.		
24 (7/32)	.023	.59	.030	.76	.088	2.23	5.3	7
22 (7/30)	.031	.79	.030	.76	.095	2.41	5.8	14
20 (7/28)	.038	.97	.030	.76	.103	2.61	7.8	18
18 (19/.0092")	.045	1.14	.030	.76	.106	2.69	9.6	25
18 (16/30)	.045	1.14	.030	.76	.105	2.67	9.5	25
16 (26/30)	.058	1.47	.030	.76	.122	3.09	13	31
14 (41/30)	.073	1.85	.030	.76	.136	3.45	19	46
12 (65/30)	.093	2.36	.030	.76	.150	3.81	27	60
10 (65/28)	.111	2.82	.030	.76	.172	4.37	40	80
8 (84/27)	.147	3.73	.045	1.14	.238	6.04	69	106
6 (84/25)	.183	4.65	.060	1.52	.305	7.75	111	155
4 (133/25)	.263	6.68	.060	1.52	.385	9.78	171	190
2 (259/26)	.323	8.20	.060	1.52	.445	11.30	254	255
1 (259/25)	.372	9.44	.060	1.52	.492	12.50	335	293
1/0 (259/24)	.424	10.77	.080	2.03	.588	14.99	421	339
2/0 (259/23)	.465	11.81	.080	2.03	.629	15.98	507	390
3/0 (259/22)	.520	13.21	.080	2.03	.684	17.37	627	451
4/0 (259/21)	.586	14.80	.080	2.03	.750	19.05	776	529



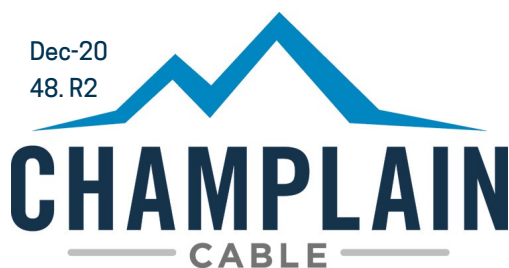


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PROPERTIES	EXAR 150	
Approvals / Listings:		
UL	STYLE 3271	
CSA	AWM 600V CL1251	
Physical:		
Temperature Rating	125°C	
Voltage Rating (Vrms)	600V	
Flexibility - 7 days @ 180 °C	Passes	
Cold Bend - 4h @ -65°C	Passes	
Room Temperature UL Abrasion	2400 cycles	
Shore "A" Hardness	95	
Shore "D" Hardness	42	
Bend Radius	3 X overall diameter	
Tensile Strength:		
Unaged	2000 PSI	
Retention after 7 days @ 180 °C	Passes (100%)	
Elongation:		
Unaged	250%	
Retention after 7 days @ 180 °C	95%	
Flame Test:		
UL VW-1	Passes	
IEEE Std. 383-1974	Passes	
Chemical Resistance		
Acetone	Swell @ 23°C/24h	5-10%
Acid - H2SO4 S.G. 1.260 5%	Swell @ 23°C**	<1%
Engine Oil - ASTM D-471 IRM-902	Swell @ 50°C**	1.80%
Benzene	Swell @ 23°C/24h	Not recommended
Epoxy	Swell @ 23°C/24h	<5%
Gasoline - ASTM D-471 Fuel C	Swell @ 23°C**	<1%
Methanol	Swell @ 23°C**	<1%
Toluene	Swell @ 23°C/24h	Not recommended
Xylene	Swell @ 23°C/24h	Not recommended
Electrical:		
Dielectric Constant		3.1
Dielectric breakdown strength (Vrms)		21,000
Oxygen Index:		24
Gamma Radiation Resistance - Total:		
Integral dose (Cobalt 60 @ a rate of less than 1 megarad/hr.)		200 megarads

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