



INDUSTRIAL

Inventing *the Future* of Wire and Cable



Exar[®] 150

UL 3266 / 3398 125°C 150°C - 300V CSA AWM

Exar[®] 150 is the premium heat-defying cable in its class. Its irradiation cross-linked polymeric insulation possesses remarkable mechanical, flame resistance and electrical properties. Exar 150 processes extremely well on the latest high speed cut and strip machines. Processing costs are reduced by avoiding problems such as solder iron shrink-back, insulation creeping and poor abrasion resistance. This product has unusually high chemical resistance including many potting compounds, toners and solvents. Save money by avoiding costly scrap and rework.

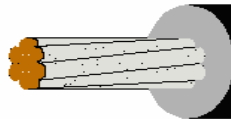
Benefits and Features

UL/CSA AWM unrestricted 150°C – 300V
Dual Ratings
Rated for Class F
Suitable for most Class H systems
Cold temperature performance to -65°C
Highly cut-through and abrasion resistant
VW-1 Rated
Easier stripping and processing
RoHS Compliant

Applications

Including but not limited to:

Electric Motors	Lighting Devices
Coil Winding	Appliances
Electrical Coils	Electronic Devices
Transformers	Heaters
Thermal Sensors	Thermal Protectors
Printers	Copiers
Fax Machines	Switchboard



Champlain Cable Corporation

Part Number	Standard Conductors Tin Copper	Nom. Dia of Conductor		Insulation Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
3266-28/XX-B0	28 (7/36)	.015	.38	.016	.41	.049	1.25	1.51	1
3266-26/XX-A0	26 (1/26)	.015	.38	.016	.41	.050	1.27	1.73	3
3266-26/XX-B0	26 (7/34)	.019	.48	.016	.41	.051	1.30	1.91	3
3266-26/XX-E0	26 (19/38)	.020	.51	.016	.41	.053	1.35	1.98	3
3266-24/XX-A0	24 (1/24)	.020	.51	.016	.41	.054	1.37	2.29	7
3266-24/XX-B0	24 (7/32)	.024	.61	.016	.41	.056	1.42	2.56	7
3266-24/XX-E0	24 (19/36)	.024	.61	.016	.41	.057	1.45	2.61	7
3266-22/XX-A0	22 (1/22)	.025	.64	.016	.41	.059	1.50	3.16	14
3266-22/XX-B0	22 (7/30)	.030	.76	.016	.41	.062	1.58	3.54	14
3266-22/XX-E0	22 (19/34)	.031	.79	.016	.41	.063	1.60	3.65	14
3266-20/XX-A0	20 (1/20)	.032	.81	.016	.41	.066	1.68	4.52	18
3266-20/XX-B0	20 (7/28)	.038	.97	.016	.41	.070	1.78	5.05	18
3266-20/XX-E0	20 (19/32)	.038	.97	.016	.41	.071	1.80	5.27	18
3266-18/XX-A0	18 (1/18)	.040	1.02	.016	.41	.074	1.88	6.51	24
3266-18/XX-B0	18 (7/.0152)	.045	1.14	.016	.41	.077	1.96	6.74	24
3266-18/XX-E0	18(19/.0092)	.045	1.14	.016	.41	.077	1.96	6.67	24
3266-16/XX-F0	16 (26/30)	.058	1.47	.016	.41	.092	2.34	10.15	31
3266-14/XX-H0	14 (41/30)	.071	1.85	.016	.41	.107	2.72	15.34	46
3266-12/XX-J0	12 (65/30)	.089	2.26	.016	.41	.121	3.07	23.40	60
3266-10/XX-J0	10 (65/28)	.111	2.81	.017	.43	.145	3.68	36.12	80

* Ampacity 150°C rated single-insulated conductor in free air at 40°C ambient air temperature.

www.champcable.com



Champlain Cable Corporation
175 Hercules Drive
Colchester, Vermont 05446

P 800.451.5162
F 802.654.4224
sales@champcable.com



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PROPERTIES		EXAR® 150
Approvals / Listings:		
UL		STYLE 3266 3398
CSA		AWM 150°C 300V
Physical: *		
Temperature Rating		125 150°C
Voltage Rating (Vrms)		300V
Flexibility - 7 days @ 180 °C		Passes
Cold Bend - 4h @ -65°C		Passes
Deformation		18%
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**	Not recommended
Xylene	swell @23°C**	Not recommended
Electrical: *		
Dielectric Constant		3.1
Dielectric breakdown strength (Vrms)		12,000
Oxygen Index:		24
Gamma Radiation Resistance – Total:		
Integral dose (Cobalt 60 @ a rate of less than 1 megarad/hr.)		200 megarads

* Properties are tested to UL 758 and UL 1581.

** Percent swell SAE J-1128 TXL

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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