

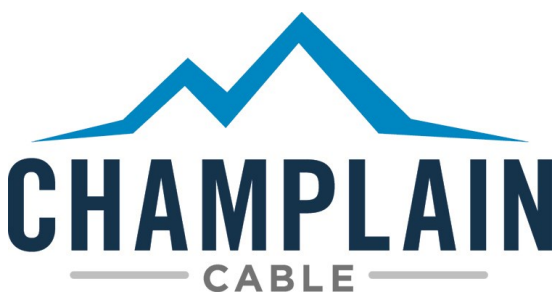


# 150 FX UL 3575

- UL / CSA 150°C, 7,500V, AWM
- Irradiation Crosslinked
- Won't Melt, Creep or Flow
- Flexible Class K stranding
- Best-In-Class Varnish Resistance
- Excellent Flame, Oil and Chemical Resistance
- Thin OD Yet Tougher than Other Motor Leads
- RoHS3 Compliant



Product Number	Standard Conductors Tin 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.		
3575-08/XX-I0	8 (168/30)	.169	4.29	.060	1.52	.311	7.90	76.4	106
3575-06/XX-M0	6 (259/30)	.210	5.33	.060	1.52	.347	8.81	109.7	155
3575-04/XX00	4 (413/30)	.265	6.73	.060	1.52	.402	10.21	162.4	190
3575-02/XX-P0	2 (665/30)	.330	8.38	.060	1.52	.466	11.84	268.2	255
3575-01/XX-U0	1 (836/30)	.365	9.27	.060	1.52	.541	13.66	329.4	293
3575-1/XX-S0	1/0 (1045/30)	.415	10.54	.080	2.03	.591	15.01	400.9	339
3575-2/XX-T0	2/0 (1330/30)	.475	12.07	.080	2.03	.651	16.54	500.3	390
3575-3/XX-V0	3/0 (1672/30)	.535	13.59	.080	2.03	.711	18.06	617.4	451
3575-4/XX-W0	4/0 (2109/30)	.610	15.49	.080	2.03	.786	19.96	766.6	529



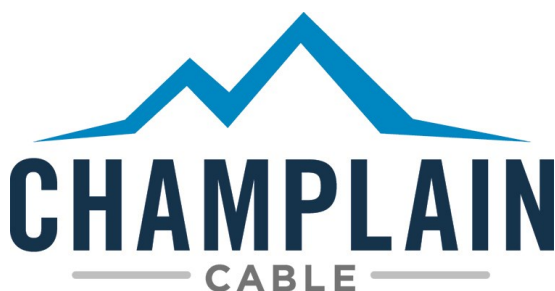


# 150 FX

## UL 3575

PROPERTIES	EXAR® 150 FX
<b>Approvals / Listings:</b>	
UL	UL STYLE 3575
CSA	AWM 7500 Volt
<b>Physical Properties:</b>	
Temperature Rating	150°C
Voltage Rating (Vrms)	7500V
Scrape Abrasion Resistance	225 cycles
Shore "A" Hardness	86
Shore "D" Hardness	40
Cold Bend - 4h @ -70°C	Passes
Bend Radius	3x Overall Diameter
<b>Tensile Strength:</b>	
Unaged	4,270 psi
Retention after 7 days @ 180°C	Pass (> 88%)
<b>Elongation: *</b>	
Unaged	570%
Retention after 7 days @ 180°C	Pass (> 88%)
<b>Flame Test:</b>	
VW-1	Passes
<b>UL Oil Resistance 60°C maximum.</b>	
96 hrs. @100°C	Tensile + Elongation 50% min.
	Tensile 58% Elongation 82%
<b>Chemical Resistance</b>	
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
<b>Electrical: *</b>	
Dielectric Constant	2.6
Dielectric Breakdown Strength (Vrms)	21,300
Corona Inception Point***	3,500 Volts
Corona Extinction Point***	2,000 Volts
<b>Oxygen Index:</b>	26

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](http://www.champcable.com)