



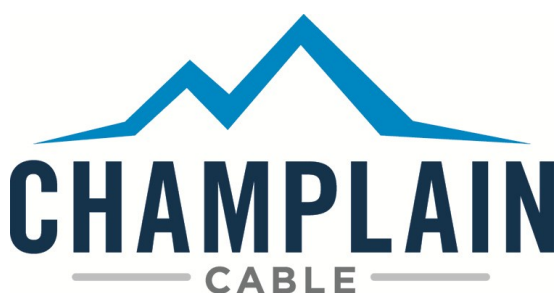
150 FX

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/XXO0	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





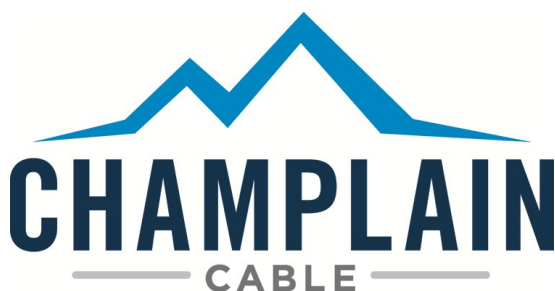
150 FX

UL 3575

PROPERTIES		EXAR® 150 FX
Approvals / Listings:		
UL		UL STYLE 3575
CSA		AWM 7500 Volt
Physical Properties:		
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
Tensile Strength:		
Unaged		4,270 psi
Retention after 7 days @ 180°C		Pass (> 88%)
Elongation: *		
Unaged		570%
Retention after 7 days @ 180°C		Pass (> 88%)
Flame Test:		
VW-1		Passes
UL Oil Resistance 60°C maximum.		
96 hrs. @100°C	Tensile + Elongation 50% min.	Tensile 58% Elongation 82%
Chemical Resistance		
Acetone	Swell @23°C**	5-10%
Acid - H2SO4 S.G. 1.260 5%	Swell @23°C**	<1%
Engine Oil - ASTM D-471 IRM-902	Swell @50°C**	<1.6%
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/24h	<1%
Toluene	Swell @23°C/24h	Not Recommended
Xylene	Swell @23°C/24h	Not Recommended
Electrical: *		
Dielectric Constant		2.6
Dielectric Breakdown Strength (Vrms)		21,300
Corona Inception Point***		3,500 Volts
Corona Extinction Point***		2,000 Volts
Oxygen Index:		26

Notice: Long term failure of the insulation can occur when voltage exceeds the corona inception point. Corona can be prevented by isolating the cable from other cables and ground planes.

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Manufacturing Locations:
Colchester, Vermont
El Paso, Texas