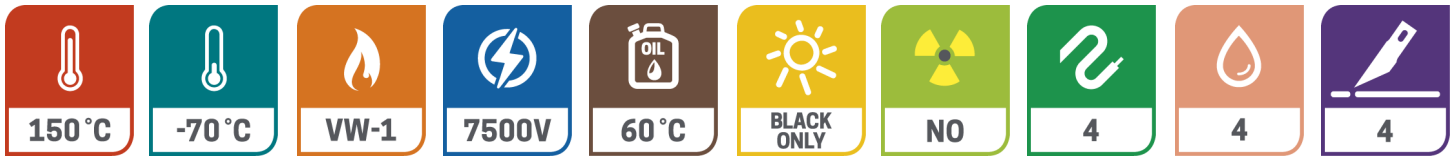
150 SFX-OR
UL 3575 / AWM

UL 3575, CSA, 150°C, 7500V

- Highly Engineered Exar® SFX-OR Irradiation Crosslinked Polyolefin
- "Best-In-Class" Flexibility
- Won't Melt, Creep or Flow
- "Best-In-Class" Varnish Resistance
- "All-In-One" Performance: Flex + Temp + OD + Varnish Resistance
- Survives Elevated Bake Cycles of 180°C+
- Excellent Flame, Oil and Chemical Resistance
- Thin OD Yet Tougher than Other Motor Leads



Product Number	Standard Conductors Tin Copper	Nom. Conductor Diameter in.	Nom. Conductor Diameter mm.	Nom Insulation Thickness in.	Nom Insulation Thickness mm.	Nom. Finished Diameter in.	Nom. Finished Diameter mm.	Min. Bend Radius	Finished Weight (lb./mft)	Ampacity (40C, Free Air)
SFX5-08/XX-I0	8 (168/30)	.169	4.29	.060	1.52	.311	7.90	1.60	76.4	106
SFX5-06/XX-M0	6 (259/30)	.210	5.33	. 060	1.52	.347	8.81	1.75	109.7	155
SFX5-04/XX00	4 (413/30)	.265	6.73	.060	1.52	.402	10.21	2.25	162.4	190
SFX5-02/XX-P0	2 (665/30)	.330	8.38	.060	1.52	.466	11.84	2.50	268.2	255
SFX5-01/XX-U0	1 (836/30)	.365	9.27	.060	1.52	.541	13.66	2.75	329.4	293
SFX5-/1/XX-S0	1/0 (1,045/30)	.415	10.54	.080	2.03	.591	15.01	3.00	400.9	339
SFX5-/2/XX-T0	2/0 (1,330/30)	.475	12.07	.080	2.03	.651	16.54	3.50	500.3	390
SFX5-/3/XX-V0	3/0 (1,672/30)	.535	13.59	.080	2.03	.711	18.06	3.75	617.4	451
SFX5-/4/XX-W0	4/0 (2,109/30)	.610	15.49	.080	2.03	.786	19.96	4.00	766.6	529
SFX5-260/XX-W0	260MCM (646/24)	.642	16.31	.095	2.41	.847	21.51	7.20	940	585
SFX5-313/XX-W0	313MCM (777/24)	.706	17.93	.095	2.41	.911	23.14	7.60	1,180	654
SFX5-375/XX-W0	375MCM (925/24)	.770	19.55	.095	2.41	.975	24.77	8.00	1,270	770
SFX5-535/XX-W0	535MCM (1,332/24)	.923	23.44	.110	2.80	1.158	29.41	12.00	1,890	934

CHAMPLAIN CABLE

150 SFX-OR
UL 3575 / AWM

PROPERTIES		EXAR® 150 SFX - Oil Resistant
Approvals / Listings:		
UL		UL STYLE 3575
CSA		AWM 7,500V
Physical Properties:		
Temperature Rating		150°C
Voltage Rating (Vrms)		7,500V
Scrape Abrasion Resistance		1,500 cycles
Shore "A" Hardness		83
Shore "D" Hardness		33
Cold Bend - 4h @ -70°C		Passes
Bend Radius		3x Overall Diameter
Tensile Strength:		
Unaged		2,900 psi
Retention after 7 days @ 180°C		Pass (> 80%)
Elongation:		
Unaged		350%
Retention after 7 days @ 180°C		Pass (> 80%)
Flame Test:		
VW-1		Passes
UL Oil Resistance 60°C maximum.		
96 hrs. @100°C	Tensile + Elongation 50% min.	Pass (Tensile 58% Elongation 82%)
Chemical Resistance		
Acetone	Swell @23°C**	7%
Acid - H2SO4 S.G. 1.260 5%	Swell @23°C**	<5%
Engine Oil – ASTM D-471 IRM-902	Swell @50°C**	<1.5%
Benzene	Swell @23°C/24h	Not Recommended
Epoxy	Swell @23°C/24h	<5%
Gasoline – ASTM D-471 Fuel C	Swell @23°C**	<5%
Methanol	Swell @23°C/24h	<5%
Toluene / Xylene	Swell @23°C/24h	Not Recommended
Mineral Oil	Swell @23°C/24h	Not Recommended
Electrical:		
Dielectric Constant		3.2
Dielectric Breakdown Strength (Vrms)		21,300
Corona Inception Point***		3,500 Volts
Corona Extinction Point***		2,000 Volts
Oxygen Index:		25

Jan-19

CHAMPLAIN CABLE

Manufacturing Locations

Colchester, Vermont

El Paso, Texas

www.champcable.com