





# INDUSTRIAL

Inventing *the Future* of Wire and Cable



PROPERTIES	EXAR® 150-PV	
<b>Approvals / Listings:</b>		
UL	UL 3829	
CSA	AWM 150°C 600V	
<b>Physical: *</b>		
Temperature Rating	150 °C Dry / 90°C Wet	
Voltage Rating (Vrms)	600V	
Flexibility - 7 days @ 213 °C	Pass	
Cold Bend - 4h @ -40°C	Pass	
Sand paper Abrasion (SAE J-1128) 350 mm	1400 mm	
Scrape Abrasion (ISO 6722, 0.45 mm cord)	818 cycle	
<b>Tensile Strength: *</b>		
Unaged	6073 PSI	
Retention after 7 days @ 213 °C	85%	
<b>Elongation: *</b>		
Unaged	410%	
Retention after 7 days @ 213 °C	110%	
<b>Flame Test: *</b>		
UL Vertical – VW-1	Pass	
<b>Chemical Resistance</b>		
Acetone	swell@23°C**	0%
Acid - H2SO4 S.G. 1.260 5%	swell@23°C**	0%
Engine Oil – ASTM D-471 IRM-902	swell@115°C**	0%
Benzene	swell@23°C/24h	0%
Epoxy	swell@23°C/24h	<1%
Gasoline – ASTM D-471 Fuel C	swell@23°C**	0%
Methanol	swell@23°C/24h	0%
Toluene	swell@23°C/24h	0%
Transmission oil	swell@150°C/720h	<2%
Xylene	swell@23°C/24h	<1%
<b>Electrical: *</b>		
Dielectric Constant D150/100MHz		3.5
Dielectric breakdown strength (Vrms)		19,000
<b>Oxygen Index: (D2868 Standard)</b>		42
<b>Sunlight Resistance</b>	Sec 1200, UL1581	>=80% Retention

\* Properties are tested to UL 758 and UL 1581.

\*\* Percent swell SAE J-1128 TXL

Test data based on 18 AWG sample

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