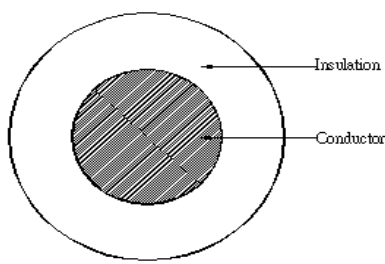



## UL 3688 IRRADIATED POLYETHYLENE INSULATED WIRE

Part No.: SK-3688-004

Cross Section		Performance	
		<b>Electrical Characteristics:</b> Dielectric Strength (kV/min) 7.0 Max. DC Resistance at 20℃ (Ω/km) 59.4	
Marking		<b>Mechanical Characteristics:</b> <b>Test Object</b> Test Material XL-PE Before Tensile Strength (Mpa) ≥ 10.35 Aging Elongation (%) ≥ 150 Aging Condition 136±2℃ x 168 hrs After Tensile Strength (Mpa) ≥ 70% of original Aging Elongation (%) ≥ 50% of original Deformation (121±2℃ X1hr + 250g) ≤ 50% Cold Bending(-20℃ X4hr) No Crack	
E148000 9\ AWM STYLE 3688 22AWG 105℃ 3000V VW-1 --- e\ AWM I A 105℃ 1000V FT1 -LF- PCXX LTK			
Description			
Rated Voltage (V)	3000		
Rated Temperature (℃)	105		
Product Standard Certification	UL		
Flammability Test	VW-1		
<b>Application</b> Internal wiring of appliances and electronic equipment where not subject to mechanical abuse.			
<b>Reference Standard</b> UL758, UL1581 & CSA C22.2 No.210.			
Construction			
<b>1 Cores</b>	<b>Stranded Tinned Copper</b>		
AWG	22		
Construction(±0.005mm)	7/0.254		
Stranded Dia. (mm)	0.76		
<b>Insulation</b>	<b>XL-PE</b>		
Nom. Thickness (mm)	0.35		
Min. Thickness (mm)	0.28		
Insulation Dia. (±0.08mm)	1.80		
Color		<b>Environmental Restricted Substance Requirement</b> <input checked="" type="checkbox"/> RoHS2.0 <input checked="" type="checkbox"/> REACH <input type="checkbox"/> CP65 <input type="checkbox"/> Antimony free (Sb<700ppm) <input type="checkbox"/> HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm) <input type="checkbox"/> SONY SS-00259 * <input checked="" type="checkbox"/> means Compliance	
Available colors from: Black / Brown / Red / Orange / Yellow / Green / Blue / Violet Gray / White / Light Blue / Pink / Light Green / Light Gray			
Part No.: -----		<div><b>LTK INTERNATIONAL LIMITED</b> Tel: (852) 2385 1866 Web: www.ltkcable.com Fax: (852) 2572 3832 WeChat: LTK_Cable</div>	
Ref. spec No. : SK-3688-004 Rev.: 0		<div><ul style="list-style-type: none"><li>LTK Electric Wire (Huizhou) Ltd</li><li>LTK Electric Wire (Changzhou) Ltd</li><li>Huizhou LTK Electronic Cable Ltd</li><li>LTK Cable (Vietnam) Ltd</li></ul></div>	
Revision History		Prepared by: Hank Xie 2022/8/18 Table No.:TFAI Rev.: 10 Approved by: Emma Bao 2022/8/18 Page 1 of 1	

## \* Usage instruction:

Not to be used directly in corrosive environments such as strong acids and strong alkaline. not be immersed in water or in a high humidity environment. not be exposed in the sunlight outdoor. It is suggested the wiring minimum bending radius shall be 5 times OD and more, and can not be used in strong stress conditions. The wire needs to be stored indoors, in a dry and ventilated environment. If there's some special requirements for wire , please contact with our sales . When customers purchase our products,they should test to verify whether the products is applicable to the usage.