



**Marking**

NONE

**Description**

Rated Voltage (V) 300  
 Rated Temperature (°C) 150  
 Product Standard Certification  
 Flammability Test UL VW-1 & CSA FT1

**Application**  
 For internal wiring of appliances , such as electric heating mats

**Reference Standard**  
 UL758, UL1581 & CSA C22.2 No.210

**Construction**

**1 Core**

<b>Conductor</b>	<b>Stranded Tinned Copper</b>
AWG	28
Construction	7/0.127
Stranded Dia. (mm)	0.38
<b>Insulation</b>	<b>ETFE</b>
Min. Thickness (mm)	0.17
Nom. Thickness (mm)	0.13
Insulation Dia. (±0.06mm)	0.72

**Color**

Per request

**Sample No:** -----

Ref. spec No. : SK-10109-011 Rev. 0

**Revision History**

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**Performance**

**Electrical Characteristics:**

Max. Conductor DC Resistance at 20°C (Ω/km)	239
Dielectric strength(kV/min)	2.0

**Mechanical Characteristics:**

<b>Test Object</b>	<b>Insulation</b>
Test Material	ETFE
Before Tensile Strength (kg/mm <sup>2</sup> )	≥ 3.52
Aging Elongation (%)	≥ 100
Aging Condition	180±2°C X 168 hrs
After Tensile Strength (kg/mm <sup>2</sup> )	≥ 85% of original
Aging Elongation (%)	≥ 75% of original
Heat Shock(180±2°C X1hr , 2kV)	No crack , without breakdown
Cold Bend( -15±2°C X4hr , 2kV)	No crack , without breakdown
Flexing(180±2°C X168hr , 2kV)	No crack , without breakdown



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Prepared by: LIMF 23-Sep-13 Table No.:TFA046 Rev.: 5  
 Approved by: KAKA 23-Sep-13 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.