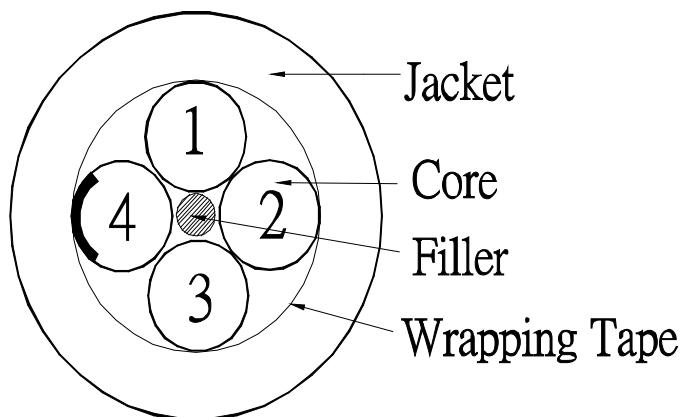


Cross Section



Color

- Insulation Color:**
- 1 Black
  - 2 White
  - 3 Red
  - 4 Yellow/Green

**Outer Jacket :**  
According to Customer's requirement.

Marking

LTK CABLE10 4G0.75 300/300V E148000 AWM STYLE 2549 80°C 300V  
-LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm AMA ROBOFLEX

Performance

**Electrical Characteristics(20°C):**  
Max. Conductor DC Resistance (Ω/km) 26.0  
Dielectric Strength (kV/1min, AC) 2.0

Description

Rated Temperature (°C) -40~80°C  
Rated Voltage (V) 300V  
Flammability IEC 60332-1

**Reference Standard**  
UL 758 & Customer's requirements

Construction

<b>Conductor</b>	<b>Stranded Bare Copper</b>
<b>Cores</b>	<b>4C</b>
Cross Section (mm <sup>2</sup> )	0.75
Construction (mm)	96/0.10
<b>Insulation</b>	<b>PP</b>
Nom. Thickness (mm)	0.30
Insulation Dia. (±0.15mm)	1.75
<b>Cabling</b>	<b>4C+Filler(Optional)</b>
Wrapping Tape (Coverage % )	100%
<b>Jacket</b>	<b>TPU</b>
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
<b>Outer Dia. (±0.30mm)</b>	<b>6.40</b>

**Mechanical Characteristics:**

<b>Test Object</b>	<b>Jacket</b>
Test Material	TPU
Before Tensile Strength (Mpa)	≥ 10.30
Aging Elongation (%)	≥ 100
Aging Condition (°C)	113±2°C x 168h
After Tensile Strength (Mpa)	≥ 70% of original
Aging Elongation (%)	≥ 65% of original
Deformation (121±2°C x1h)	≤ 50%
Cold Bend (-40±2°C x4h)	No Crack
Heat Shock (121±2°C x1h)	No Crack
Oil Resistant	
Abraision Resistant	
Sliding Test (R≥7.5D; Travel ≤2m; Rate: ≤2m/s)	≥ 10 million times

**Environmental Restricted Substance Requirement**

- RoHS2.0
  - REACH
  - CP65
  - Antimony free (Sb<700ppm)
  - HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
- “” means Compliance

CHAIN-210606

Part No.: ----

Customer Acetechnics

Ref. spec No. : ----

Rev.: 0

Revision History



**LTK INTERNATIONAL LIMITED**

Tel: (852) 2385 1866 Web: www.ltkcable.com  
Fax: (852) 2572 3832 WeChat: LTK\_Cable

- LTK Electric Wire (Huizhou) Ltd
- Huizhou LTK Electronic Cable Ltd
- LTK Electric Wire (Changzhou) Ltd
- LTK Cable (Vietnam) Ltd

Prepared by: KAKA 2021/9/14 Table No.:TFA046 Rev.:9  
Approved by: EMMA 2021/9/14 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.