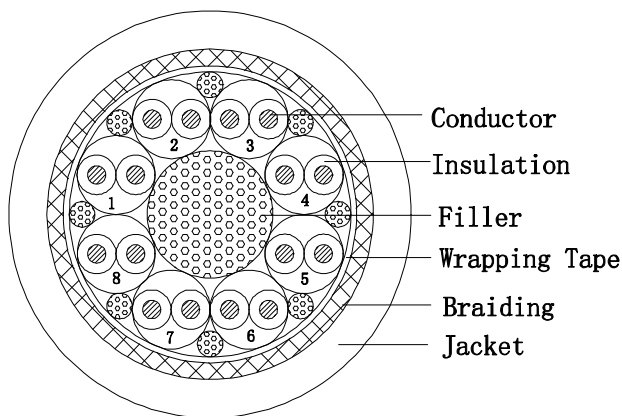


Cross Section



Color

- Pair Color:
- 1 White - Brown
  - 2 Green - Yellow
  - 3 Gray - Pink
  - 4 Blue - Red
  - 5 Black - Violet
  - 6 Gray/Pink - Red/Blue
  - 7 White/Green - Brown/Green
  - 8 White/Yellow - Yellow/Brown

Outer Jacket :  
According to Customer's requirement.

Marking

LTK CABLE10 (8PX0.2)C 300V E148000 AWM STYLE 20549 80°C 300V  
-LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm AMA ROBOFLEX

Performance

<b>Electrical Characteristics(20°C):</b>	
Max. Conductor DC Resistance (Ω/km)	94.2
Dielectric Strength (kV/1min, AC)	2.0

Description

Operated 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 Tinned Copper</b>
Cores	8P
Cross Section (mm <sup>2</sup> )	0.20
Construction (mm)	41/0.08+Tinsel
<b>Insulation</b>	<b>PP</b>
Nom. Thickness (mm)	0.20
Insulation Dia. (±0.10mm)	1.15
Twisted Pair	2C
<b>Cabling</b>	<b>8P+Filler(Optional)</b>
Wrapping Tape(Coverage,%)	100%
<b>Braided Shielding</b>	<b>Tinned Copper</b>
Coverage, %	≥85%
Wrapping Tape(Coverage,%)	100%
<b>Jacket</b>	<b>TPU</b>
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
Outer Dia. (±0.30mm)	9.90

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-210609

Part No.: ----

Customer: Acetechnics

Ref. spec No. :-----

Rev.: 0

Revision History



LTK INTERNATIONAL LIMITED

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- 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.