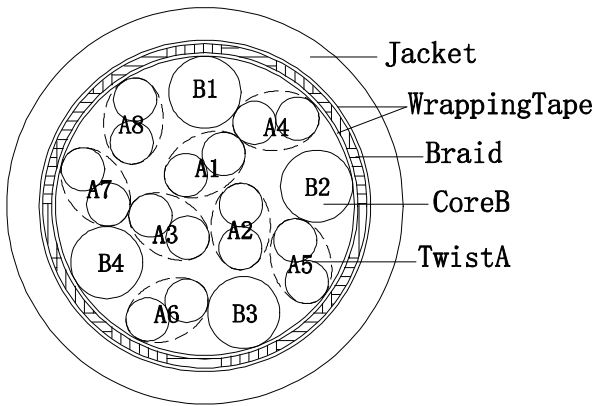


Cross Section



Color

- Twist A:**  
 A1. White - Brown  
 A2. Green - Yellow  
 A3. Gray - Pink  
 A4. Blue - Red  
 A5. Black - Violet  
 A6. Gray/Pink - Red/Blue  
 A7. White/Green - Brown/Green  
 A8. White/Yellow - Yellow/Brown
- Core B:**  
 B1. Black  
 B2. White  
 B3. Red  
 B4. Brown

**Outer Jacket :**  
 Black (similar RAL 9005)

Marking

LTK CABLE (4X18AWG+8X22AWG)C E148000 AWM STYLE 20549  
 80°C 300V VW-1 -LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm

Performance

**Electrical Characteristics(20°C):**  
 Max. Conductor DC Resistance (Ω/km) A:55.4; B:21.8  
 Dielectric Strength (kV/1min, AC) 2.0

Description

Rated Temperature (°C) 80°C  
 Rated Voltage (V) 300V  
 Flammability VW-1

**Reference Standard**  
 UL 758,UL1581

Construction

Conductor	Stranded Bare Copper	
Cores	A:8P	B:4C
Cross Section (AWG)	22AWG	18AWG
Construction (mm)	19/0.15	41/0.16
<b>Insulation</b>	<b>PP</b>	<b>PP</b>
Nom. Thickness (mm)	0.20	0.30
<b>Insulation Dia. (±0.10mm)</b>	<b>1.25</b>	<b>1.90</b>
Twisted	2C	---
<b>Cableing</b>	<b>8P+4C+Filler(Optional)</b>	
Wrapping Tape (Coverage % )	100%	
<b>Braid</b>	<b>Tinned Copper</b>	
Coverage (nom. % )	85%	
Wrapping Tape (Coverage % )	100%	
<b>Jacket</b>	<b>TPU</b>	
Nom. Thickness (mm)	1.00	
Min. Thickness (mm)	0.80	
<b>Outer Dia. (±0.40mm)</b>	<b>11.30</b>	

Mechanical Characteristics:

Test Object	Jacket
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°Cx1h)	≧ 50%
Cold Bend (-40±2°Cx4h)	No Crack
Heat Shock (121±2°Cx1h)	No Crack
Oil Resistant	100±2°C x 96h
Tensile Strength (Mpa)	≧ 50% of original
Elongation (%)	≧ 50% of original

Environmental Restricted Substance Requirement

- RoHS2.0
  - REACH
  - CP65
  - Antimony free (Sb<700ppm)
  - HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
  - SONY SS-00259
- "" means Compliance

CHAIN-220237

Part No.: ----

Customer WILLTEC

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 2022/4/15 Table No.:TFA046 Rev.:9  
 Approved by: EMMA 2022/4/15 Page 1 of 1

\* Usage instruction: (The followings are general instructions , if there are special requirements, please follow the specific specifications )  
 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.