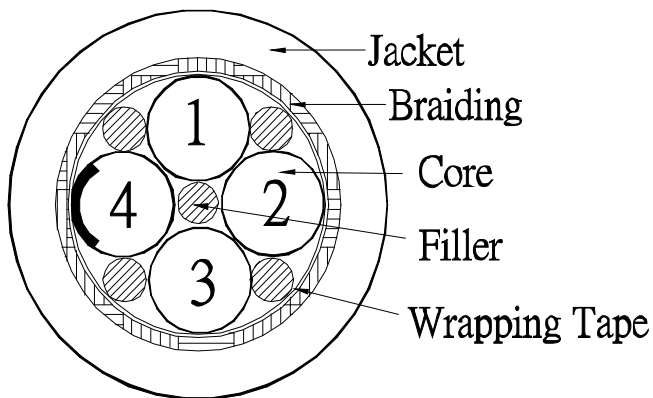


Cross Section



Color

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

Outer Jacket :  
According to Customer's requirement.

Marking

XXXXXXm MM/DD/YY LTK CABLE10 (4G2.5)C 300/500V E148000   
AWM STYLE 2570 80°C 1000V VW-1 -LF- PCxx CE RoHS conform

Performance

**Electrical Characteristics(20°C):**  
Max. Conductor DC Resistance (Ω/km) 7.89  
Dielectric Strength (kV/1min, AC) 3.0

Description

Rated Temperature (°C) -20~80°C  
Rated Voltage (V) 300/500V  
Flammability VW-1

Reference Standard

UL 758, UL1581 & Customer's requirements

Construction

<b>Conductor</b>	<b>Stranded Bare Copper</b>
<b>Cores</b>	<b>4C</b>
Cross Section (mm <sup>2</sup> )	2.50
Construction (mm)	140/0.15
<b>Insulation</b>	<b>PP</b>
Nom. Thickness (mm)	0.40
Insulation Dia. (±0.15mm)	3.00
<b>Cabling</b>	<b>4C+Filler(optional)</b>
Wrapping Tape (Coverage % )	100%
<b>Braided Shielding</b>	<b>Tinned Copper</b>
Coverage (nom. %)	85%
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
<b>Outer Dia. (±0.40mm)</b>	<b>10.20</b>

Mechanical Characteristics:

<b>Test Object</b>	<b>Jacket</b>
Test Material	PVC
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 (-20±2°C x4h)	No Crack
Heat Shock (121±2°C x1h)	No Crack
Oil Resistant	
Abraision Resistant	
Sliding Test (R≥10D; 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



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- LTK Electric Wire (Changzhou) Ltd • LTK Cable (Chongqing) Ltd
- Dalian LTK Electric Wire Ltd

CHAIN-210270

Part No.: ----

Customer WILLTEC

Ref. spec No. :

Rev.: 0

Revision History

Prepared by: KAKA 2021/3/29 Table No.:TFA046 Rev.:8  
Approved by: EMMA 2021/3/29 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.