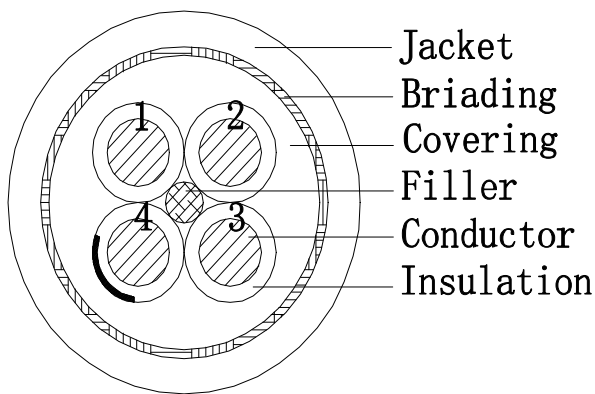


**Cross Section**



**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 CABLE05 (4G16)C 0.6/1.0KV 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) 1.21  
 Dielectric Strength (kV/1min, AC) 3.0

**Description**

Rated Temperature (°C) -20~80°C  
 Rated Voltage (V) 1000V  
 Flammability VW-1

**Reference Standard**  
 UL758, 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> )	16
Construction (mm)	531/0.196
<b>Insulation</b>	<b>XLPE</b>
Nom. Thickness (mm)	0.70
Insulation Dia. (±0.20mm)	7.00
<b>Cabling</b>	<b>4C+Filler(optional)</b>
<b>Inner Covering</b>	<b>PVC</b>
Covering Dia. (nom. mm)	18.50
<b>Braiding Shield</b>	<b>Tinned Copper</b>
Coverage (nom. %)	85%
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness (mm)	1.52
Min. Thickness (mm)	1.30
<b>Outer Dia. (±0.80mm)</b>	<b>22.50</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)	5 millions

**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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- Dalian LTK Electric Wire Ltd

Prepared by: KAKA 2021/4/22 Table No.:TFA046 Rev.:8  
 Approved by: EMMA 2021/4/22 Page 1 of 1

CHAIN-210317

Part No.: ----

Customer WILLTEC

Ref. spec No. : Rev.: 0

**Revision History**

**\* 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.