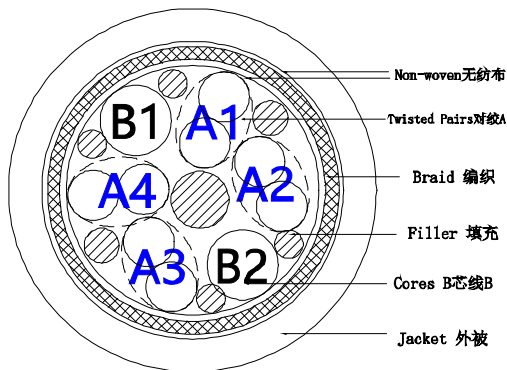


Cross Section



Color

- Insulation Color:**  
**Pairs A:**  
 A1 Brown - Green  
 A2 Blue - Violet  
 A3 Gray - Pink  
 A4 Red - Black  
**Core B:**  
 B1 White  
 B2 Brown

**Outer Jacket :**  
 Orange (similar RAL 2003)

Marking

LTK CABLE10 (4PX0.25+2X0.5)C 300/300V 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:79.0 B:39.0  
 Dielectric Strength (kV/1min, AC) 2.0

Description

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

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  
 Abrasion Resistant  
 Sliding Test (R≥7.5D: Travel ≤2m: Rate: ≤2m/s) ≥10 million

Construction

Conductor	Stranded Bare Copper	
	B: 2C	A: 4P
<b>Cores</b>		
Cross Section (mm <sup>2</sup> )	0.5	0.25
Construction (mm)	64/0.10	32/0.10
<b>Insulation</b>	<b>PP</b>	<b>PP</b>
Nom. Thickness (mm)	0.20	0.20
Insulation Dia. (±0.15mm)	1.55	1.10
Twisting	--	2C
<b>Cabling</b>	<b>A(4P)+B(2C)+Filler(Optional)</b>	
WrappingTape (Coverage, %)	100%	
<b>Braid shield</b>	<b>Tinned Copper</b>	
Coverage (nom. %)	85%	
WrappingTape (Coverage, %)	100%	
<b>Jacket</b>	<b>TPU</b>	
Nom. Thickness(mm)	0.80	
Min. Thickness (mm)	0.61	
<b>Diameter (±0.30mm)</b>	<b>8.30</b>	

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

Prepared by: KAKA 2022/11/21 Table No.:TFA046 Rev.:9  
 Approved by: EMMA 2022/11/21 Page 1 of 1

CHAIN-200540-1

Part No.: ----

Customer

Ref. spec No. : Rev.: 0

Revision History

\* 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.