



**Color**

**Pair Color:**

1	White - Brown
2	Green - Yellow
3	Gray - Pink
4	Blue - Red
5	Black - Violet
6	Gray/Pink - Red/Blue

**Outer Jacket :**  
According to Customer's requirement.

**Marking**

LTK CABLE10 (6PX0.2)C 300V E148000  AWM STYLE 20549 80°C 300V -LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm <b>AMA ROBOFLEX</b>
---

**Performance**

**Electrical Characteristics(20°C):**

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

**Mechanical Characteristics:**

**Test Object**

Test Material	Jacket
Before Tensile Strength (Mpa)	TPU
Aging Elongation (%)	≥ 10.30
Aging Condition (°C)	≥ 100
After Tensile Strength (Mpa)	113±2°C x 168h
Aging Elongation (%)	≥ 70% of original
Deformation (121±2°C x1h)	≥ 65% of original
Cold Bend (-20±2°C x4h)	≤ 50%
Heat Shock (121±2°C x1h)	No Crack
	No Crack

**Reference Standard**  
UL 758 & Customer's requirements

**Construction**

<b>Conductor</b>	<b>Stranded Tinned Copper</b>
<b>Cores</b>	<b>6P</b>
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>6P+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
<b>Outer Dia. (±0.30mm)</b>	<b>8.40</b>

**Environmental Restricted Substance Requirement**

- RoHS2.0
- REACH
- CP65
- Antimony free (Sb<700ppm)
- HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)

"■" means Compliance

**Oil Resistant**  
**Abraision Resistant**

Sliding Test (R≥7.5D; Travel ≤2m; Rate: ≤2m/s)	≥ 10 million times
--	--------------------

**CHAIN-210645**  
**Part No.:** ----  
Customer: Acetechnics  
Ref. spec No. : Rev.: 0

**LTK INTERNATIONAL LIMITED**

Tel: (852) 2385 1866 Web: www.ltkcable.com  
Fax: (852) 2572 3832 WeChat: LTK\_Cable

- LTK Electric Wire (Huizhou) Ltd
- LTK Electric Wire (Changzhou) Ltd

- Huizhou LTK Electronic Cable Ltd
- LTK Cable (Vietnam) Ltd

**Revision History**

Prepared by: KAKA	2021/10/22	Table No.:TFA046	Rev.:9
Approved by: EMMA	2021/10/22		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.