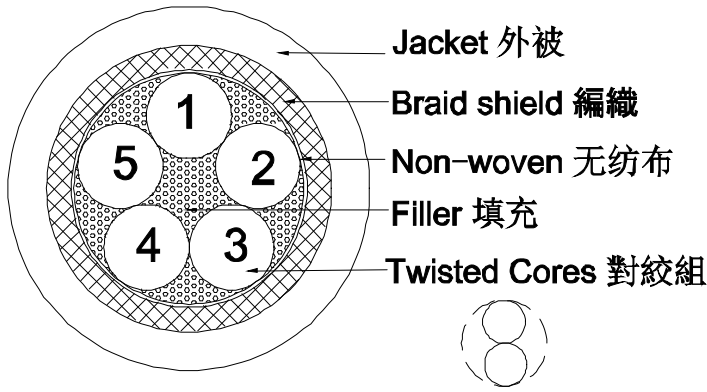


Cross Section



Color

- Insulation**
Pairs:
- 1 White - Brown
 - 2 Green - Yellow
 - 3 Gray - Pink
 - 4 Blue - Red
 - 5 Black - Violet

Marking

LTK CABLE10 (5PX0.2)C 300V E148000 AWM STYLE 20549 80°C 300V
-LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm AMA ROBOFLEX

Performance

Electrical Characteristics(20°C):

Max. Conductor DC Resistance at 20°C (Ω/km)	94.2
Dielectric Strength (kV/1min, AC)	2.0

Description

Rated Temperature (°C)	-40~80°C
Rated Voltage (V)	300V
Flammability	IEC 60332-1

Reference Standard

UL 758 & Customer's requirements

Construction

Conductor	Stranded Tinned Copper
Cores	5P
Cross Section (mm ²)	0.20
Construction (mm)	41/0.08+Tinsel
Insulation	PP
Nom. Thickness (mm)	0.20
Insulation Dia. (±0.10mm)	1.15
Twisted Pair	2C
Filler	Yes
Cabling	5P+Filler
Wrapping Tape(Coverage,%)	100%
Braided Shielding	Tinned Copper
Coverage, %	≥85%
Wrapping Tape(Coverage,%)	100%
Jacket	TPU
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
Outer Dia. (±0.30mm)	7.60

Jacket

According to the customer's requirements

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 x 1h)	≥ 65% of original
Cold Bend (-40±2°C x 4h)	≤ 50%
Heat Shock (121±2°C x 1h)	No Crack
Oil Resistant	No Crack
Abraision Resistant	
Sliding Test (R≥7.5D; 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

CHAIN-210610

Part No.: ----

Customer: Acetechnics

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 2021/9/16 Table No.:TFA046 Rev.:9
Approved by: EMMA 2021/9/16 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.