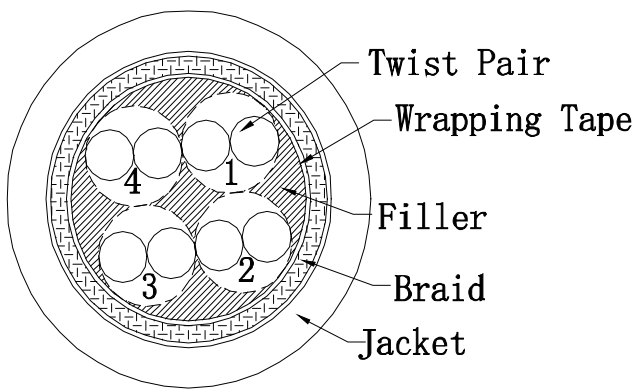


Cross Section



Color

- Pair Color:**
- 1 White - Brown
 - 2 Green - Yellow
 - 3 Gray-Pink
 - 4 Blue - Red

Outer Jacket :
Black (similar RAL 9005)

Marking

LTK CABLE10 (4PX1.0)C 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)	19.5
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

Reference Standard
UL 758 & Customer's requirements

Construction

Conductor	Bare Copper
Cores	4P
Cross Section (mm ²)	1.0
Construction (mm)	128/0.10
Insulation	PP
Nom. Thickness (mm)	0.25
Insulation Dia. (±0.10mm)	1.90
Twisted Pair	2C
Cabling	4P+Filler(Optional)
Wrapping Tape(Coverage,%)	100%
Braid Shield	Tinned Copper
Coverage (nom. %)	85%
Wrapping Tape(Coverage,%)	100%
Jacket	TPU
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
Outer Dia. (±0.40mm)	10.80

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

Environmental Restricted Substance Requirement

- RoHS2.0
- REACH
- CP65
- Antimony free (Sb<700ppm)
- HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
- SONY SS-00259
- means Compliance

CHAIN-220457

Part No.: ---- Customer: WILLTEC

Ref. spec No. : ---- Rev.: 0

Revision History



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

Prepared by: KAKA 2022/7/25 Table No.:TFA046 Rev.:9
Approved by: EMMA 2022/7/25 Page 1 of 1

* 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.