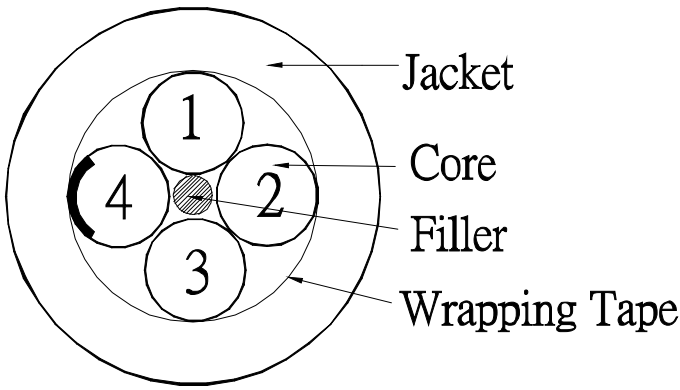


Cross Section



Color

Insulation Color:

- 1 Black
- 2 White
- 3 Red
- 4 Yellow/Green

Outer Jacket :

According to Customer's requirement.

Marking

LTK CABLE10 4G0.5 300/300V 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 (Ω/km)	39.0
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 Bare Copper
Cores	4C
Cross Section (mm ²)	0.50
Construction (mm)	64/0.10
Insulation	PP
Nom. Thickness (mm)	0.25
Insulation Dia. (±0.10mm)	1.55
Cabling	4C+Filler(optional)
Wrapping Tape (Coverage %)	100%
Jacket	TPU
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
Outer Dia. (±0.30mm)	5.80

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°C x 1h)	≤ 50%
Cold Bend (-40±2°C x 4h)	No Crack
Heat Shock (121±2°C x 1h)	No Crack

Oil Resistant	
Abrasion 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



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

CHAIN-210605

Part No.: ----

Customer Acetechinics

Ref. spec No. : ----

Rev.: 0

Revision History

Prepared by: KAKA 2021/9/14 Table No.:TFA046 Rev.:9
 Approved by: EMMA 2021/9/14 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.