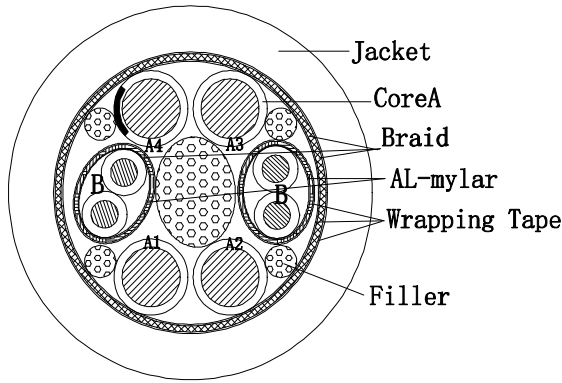


Cross Section



Color

Insulation Color:

Unit A:

- A1 Black(marked U/L1)
- A2 Black(marked V/L2)
- A3 Black(marked W/L3)
- A4 Yellow/Green

Unit B:

- B1 Black(marked 5)-Black(marked 6)
- B2 Black(marked 7)-Black(marked 8)

Outer Jacket :

Orange (similar RAL 2003)

Marking

LTK CABLE10 (4G1.0+2PX0.75)C 300/500V E148000 AWM STYLE 20940
80°C 600V VW-1 -LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXm

Performance

Electrical Characteristics(20°C):

Max. Conductor DC Resistance (Ω/km) A:19.5 B:26.0
Dielectric Strength (kV/1min, AC) 2.0

Description

Rated Temperature (°C) -40~80°C
Rated Voltage (V) 600V
Flammability VW-1

Reference Standard

UL 758, UL1581 & Customer's requirements

Construction

Conductor	Stranded Bare Copper	
	A: 4C	B: 2P
Cores	1.0	0.75
Cross Section (mm ²)	128/0.10	96/0.10
Construction (mm)	PP	PP
Nom. Thickness (mm)	0.35	0.35
Insulation Dia. (±0.15mm)	2.10	1.90
Twisting	--	2C
AL-Mylar (Coverage, %)	--	100%
Braid shield	--	Tinned Copper
Coverage (nom. %)	--	85%
WrappingTape (Coverage, %)	--	100%
Cabling	A(4C)+B(2P)+Filler(Optional)	
WrappingTape (Coverage, %)	100%	
Braid shield	Tinned Copper	
Coverage (nom. %)	85%	
WrappingTape (Coverage, %)	100%	
Jacket	TPU	
Nom. Thickness(mm)	0.90	
Min. Thickness (mm)	0.70	
Diameter (±0.50mm)	11.50	

Mechanical Characteristics:

Test Object

Test Material	Jacket
Before Tensile Strength (Mpa)	TPU
After 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

Abraision 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-220694

Part No.: ----

Customer

Ref. 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 2022/11/21 Table No.:TFA046 Rev.:9
Approved by: EMMA 2022/11/21 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.