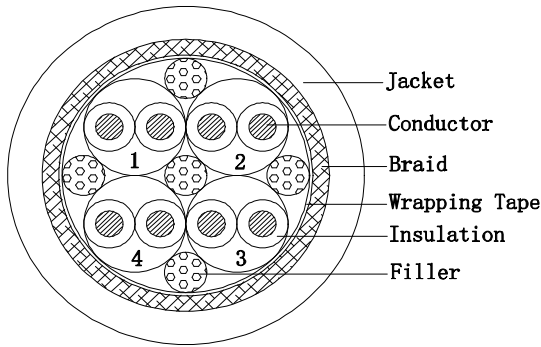


Cross Section



Color

Pairs:	
1	Blue-White/Blue
2	Orange-White/Orange
3	Green-White/Green
4	Brown-White/Brown

Marking

XXXXXm MM/DD/YY LTK CABLE CAT5E 4PX26AWG 300V E148000
 AWM STYLE 20276 80°C 30V -LF- PCxx CE RoHS conform

Performance

Electrical Characteristics(20°C):	
Max. Conductor DC Resistance (Ω/km)	140
Min. Insulation Resistance (Ω.cm)	5000
Dielectric Strength (V/1min, AC)	700
Characteristic Impedance (Ω, 100MHz)	100±15

Description

Operated Temperature (°C)	-20~80°C
Rated Voltage (V)	30
Flammability	VW-1 & FT1

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
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 (-20±2°Cx4h)	No Crack
Heat Shock (121±2°Cx1h)	No Crack
Abrasion resistant	
Oil Resistant (IRM902, 100±2°C×96h)	UL758
Tensile Strength (Mpa)	≥ 50% of original
Elongation (%)	≥ 50% of original

Reference Standard

UL758 & Customer's requirements

Construction

Conductor	Stranded Bare Copper
Cores	4P
AWG	26
Construction (mm)	30/0.08
Insulation	PE
Nom. Thickness (mm)	0.20
Insulation Dia. (±0.10mm)	0.95
Pair Twisted (mm)	2C
Cabling	4P+Filler
Wrapping Tape (Coverage, %)	100%
Braid Shield	Tinned Copper
Coverage (%)	≥ 85%
Jacket	PVC
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.50
Outer Dia. (±0.30mm)	6.40

Bending test	1 million
(Radius:40mm; Angle:±60°;Rate:45T/min)	

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

ROBOT-190105

Part No.: ----

Customer

Ref. spec No. : ----

Rev.: 0

Revision History



LTK INTERNATIONAL LIMITED

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

Prepared by: KAKA 2021/12/8 Table No.:TFA046 Rev.:9
 Approved by: EMMA 2021/12/8 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.