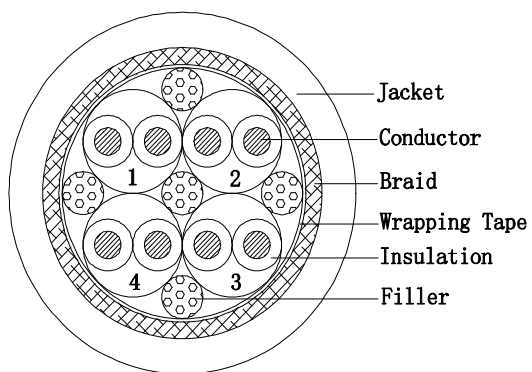


Cross Section



Color

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

Marking

XXXXXm MM/DD/YY LTK CABLE10 CAT5E 4PX26AWG 300V E148000 AWM STYLE 20276 80°C 30V -LF- PCxx GE 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

The goods conform to the standard of RoHS.

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

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°C x1h)	≤ 50%
Cold Bend (-20±2°C x4h)	No Crack
Heat Shock (121±2°C x1h)	No Crack
Abrasion resistant	
Oil Resistant (IRM902, 100±2°C x96h)	UL758
Tensile Strength (Mpa)	≥ 50% of original
Elongation (%)	≥ 50% of original

Sliding Test (Radius: ≥10D; Distance: ≤2m; Velocity: 2m/s)	10 millions
Bending test (Radius: 40mm; Angle:±60°; Rate: 45T/min)	2 millions
Torsion test (Angle:±180°; Length: 300mm; Rate: 45T/min)	10 millions

ROBOT-190105

Part No.: ***

Customer -----

Ref. spec No. : Rev.: 0

Revision History



LTK INTERNATIONAL LIMITED

Suite 502, Concordia Plaza, 1 Science Museum Road
 Tsimshatsui East, Kowloon, Hong Kong
 Tel : (852) 2382 1133 Fax : (852) 2480 6327
 Email : sales@ltkable.com URL : www.ltkable.com

- LTK Electric Wire (Huizhou) Ltd • Huizhou LTK Electronic Cable Ltd
- LTK Electric Wire (Changzhou) Ltd • LTK Cable (Chongqing) Ltd
- Dalian LTK Electric Wire Ltd

Prepared by: KAKA 2019/11/4 Table No.:TFA046 Rev.:7
 Approved by: EMMA 2019/11/4 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.