



Color

Pair Color:

1	White - Brown
2	Green - Yellow
3	Gray - Pink
4	Blue - Red
5	Black - Violet
6	Gray/Pink - Red/Blue

Outer Jacket :
According to Customer's requirement.

Marking

LTK CABLE10 (6PX0.2)C 300V E148000 AWM STYLE 20549 80°C 300V -LF- PCxx CE RoHS conform MM/DD/YYYY XXXXXXm AMA ROBOFLEX
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Performance

Electrical Characteristics(20°C):

Max. Conductor DC Resistance (Ω/km)	94.2
Dielectric Strength (kV/1min, AC)	2.0

Description

Operated Temperature (°C)	-40~80°C
Rated Voltage (V)	300V
Flammability	IEC 60332-1

Mechanical Characteristics:

Test Object

Test Material	Jacket
Before Tensile Strength (Mpa)	TPU
Aging Elongation (%)	≥ 10.30
Aging Condition (°C)	≥ 100
After Tensile Strength (Mpa)	113±2°C x 168h
Aging Elongation (%)	≥ 70% of original
Deformation (121±2°C x1h)	≥ 65% of original
Cold Bend (-20±2°C x4h)	≤ 50%
Heat Shock (121±2°C x1h)	No Crack
	No Crack

Reference Standard
UL 758 & Customer's requirements

Construction

Conductor	Stranded Tinned Copper
Cores	6P
Cross Section (mm ²)	0.20
Construction (mm)	41/0.08+Tinsel
Insulation	PP
Nom. Thickness (mm)	0.20
Insulation Dia. (±0.10mm)	1.15
Twisted Pair	2C
Cabling	6P+Filler(Optional)
Wrapping Tape(Coverage,%)	100%
Braided Shielding	Tinned Copper
Coverage, %	≥ 85%
Wrapping Tape(Coverage,%)	100%
Jacket	TPU
Nom. Thickness (mm)	0.76
Min. Thickness (mm)	0.61
Outer Dia. (±0.30mm)	8.40

Environmental Restricted Substance Requirement

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

"■" means Compliance

Oil Resistant
Abraision Resistant

Sliding Test (R≥7.5D; Travel ≤2m; Rate: ≤2m/s)	≥ 10 million times
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CHAIN-210645
Part No.: -----
Customer: Acetechnics
Ref. spec No. : Rev.: 0

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Revision History

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Prepared by: KAKA 2021/10/22 Table No.:TFA046 Rev.:9
Approved by: EMMA 2021/10/22 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.