



Color

Insulation	
1 White	
2 Yellow	
3 Blue	
4 Orange	

Jacket
Green (similar RAL 6018)

Marking

XXXXXXm MM/DD/YYYY LTK INDUSTRIAL ETHERNET FLEXIBLE CABLE * PROFINET
 TYPE B ES CAT5 PLUS * 22AWG (SHIELDED) * E148000 AWM STYLE 21025
 80°C 600V -LF- PCxx CE RoHS conform

Performance(20°C)

Electrical Characteristics	
Max. Conductor DC Resistance (Ω/km)	59.4
Dielectric Strength AC (KV/min)	2.0
Characteristic impedance(ohm 1~100MHz)	100±15 Ω

Description

Rated Voltage (V) 600
 Rated Temperature (°C) -20~80°C
 Flammability Test VW-1

Our goods conform to the standard of RoHS
Reference Standard
 UL758 ,UL1581

Construction

Conductor	Strand Tinned Copper
Cross Section (AWG)	22 AWG
Structure(mm)	7/0.25
Insulation	PE
Nom. Thickness (mm)	0.38
Insulation Dia (±0.15mm)	1.50
Cabling	YES
Filler	Optional
Wrapping Tape (Coverage,%)	100%
Inner Jacket	PVC
Diameter (nom.)	4.10
AL-mylar (Coverage,%)	100%
Braiding shield	Tinned Copper
Coverage (%)	85%
Jacket	PVC
Min. Thickness(mm)	0.61
Nom. Thickness (mm)	0.76
Diameter (±0.20mm)	6.50

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength	≥ 10.3MPa
Aging Elongation	≥ 100%
Aging Condition (°C)	113±2°C x168h
After Tensile Strength	≥ 70% of original
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

CHAIN-190249

Part No.: ----

Customer: ----

Ref. spec No.: GD-CHAIN-0679 Rev.: 0

Revised History

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