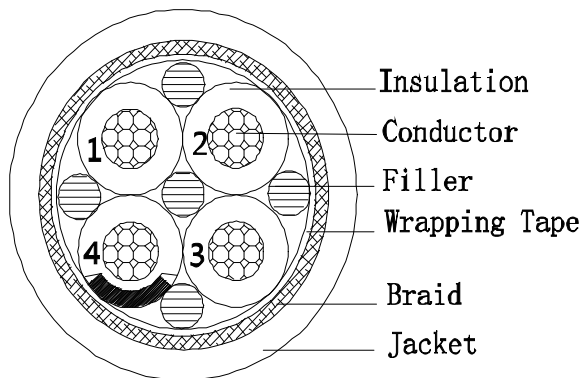


Cross Section



Color

- Insulation Color:**
 1 Black
 2 White
 3 Red
 4 Yellow/Green

Outer Jacket :
 According to Customer's requirement.

Marking

XXXXXXm MM/DD/YY LTK CABLE05 (4G10)C 0.6/1.0KV E148000
 AWM STYLE 2570 80°C 1000V VW-1 -LF- PCxx CE RoHS conform

Performance

Electrical Characteristics(20°C):
 Max. Conductor DC Resistance (Ω/km) 1.91
 Dielectric Strength (kV/1min, AC) 3.0

Description

Rated Temperature (°C) -20~80°C
 Rated Voltage (V) 1000V
 Flammability VW-1

Reference Standard
 UL758, UL1581 & Customer's requirements

Construction

Conductor	Stranded Bare Copper
Cores	4C
Cross Section (mm ²)	10
Construction (mm)	332/0.196
Insulation	XLPE
Nom. Thickness (mm)	0.60
Insulation Dia. (±0.20mm)	5.80
Cabling	4C+Filler(optional)
Wrapping Tape (Coverage %)	100%
Braiding Shield	Tinned Copper
Coverage (nom. %)	85%
Jacket	PVC
Nom. Thickness (mm)	1.20
Min. Thickness (mm)	1.00
Outer Dia. (±0.60mm)	17.50

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
Oil Resistant	
Abraision Resistant	
Sliding Test (R≥10D; Travel ≤2m; Rate: ≤2m/s)	5 millions

Environmental Restricted Substance Requirement

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

means Compliance



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- Dalian LTK Electric Wire Ltd

CHAIN-210316

Part No.: ----

Customer WILLTEC

Ref. spec No. :

Rev.: 0

Revision History

Prepared by: KAKA 2021/4/22 Table No.:TFA046 Rev.:8
 Approved by: EMMA 2021/4/22 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.