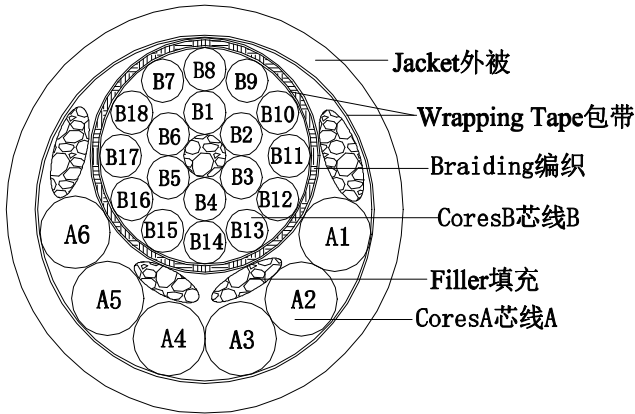


Cross Section



Marking

XXXXXXm MM/DD/YY LTK CABLE10 6X2.5+(18X0.75)C 450/750V E148000  
 AWM STYLE 20940 80°C 1000V VW-1 -LF- PCxx CE RoHS conform

Description

Rated Temperature (°C) -20~80°C  
 Rated Voltage (V) 450/750V  
 Flammability VW-1  
 UV Resistance

Reference Standard

UL 758 & Customer's requirements

Construction

	Bare Copper	
	B:18C	A:6C
Conductor		
Cores	B:18C	A:6C
Cross Section (mm <sup>2</sup> )	0.75	2.50
Construction (mm)	96/0.10	140/0.15
Insulation	PP	PP
Nom. Thickness (mm)	0.25	0.41
Insulation Dia. (±0.10mm)	1.75	3.00
Cabling	18C+Filler(optional)	-----
Wrapping Tape (Coverage %)	100%	-----
Braiding	Tinned Copper	-----
Coverage (nom. %)	85%	-----
Wrapping Tape (Coverage %)	100%	-----
Cabling	18c+6C+Filler(optional)	
Wrapping Tape (Coverage %)	100%	
Jacket	TPU	
Nom. Thickness (mm)	1.20	
Min. Thickness (mm)	1.00	
Outer Dia. (±0.60mm)	16.80	

CHAIN-210001

Part No.: -----

Customer

Ref. spec No. :

Rev.: 0

Revision History

Color

Insulation Color:

Core A:  
 1.Black 2.Gray 3.Red  
 4.Orange 5.Blue 6.White

Core B:  
 B1 Black marked 1 B10 Black marked 10  
 B2 Black marked 2 B11 Black marked 11  
 B3 Black marked 3 B12 Black marked 12  
 B4 Black marked 4 B13 Black marked 13  
 B5 Black marked 5 B14 Black marked 14  
 B6 Black marked 6 B15 Black marked 15  
 B7 Black marked 7 B16 Black marked 16  
 B8 Black marked 8 B17 Black marked 17  
 B9 Black marked 9 B18 Black marked 18

Outer Jacket :

According to Customer's requirement.

Performance

Electrical Characteristics(20°C):

Max. Conductor DC Resistance (Ω/km) A:7.98;B:26.0  
 Dielectric Strength (kV/1min, AC) 2.0

Mechanical Characteristics:

Test Object	Jacket
Test Material	TPU
Before Tensile Strength (Mpa)	≥ 10.3
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	
Abrasion Resistant	
Sliding Test (R≥10D; Travel ≤2m; Rate: ≤2m/s)	≥ 10 million times

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

Prepared by: KAKA 2021/1/4 Table No.:TFA046 Rev.:8  
 Approved by: EMMA 2021/1/4 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.