



Marking

XXXXXXm MM/DD/YYYY LTK CABLE10 (3PX30AWG)C 30V E148000
AWM STYLE 20276 80°C 30V VW-1 -LF- PCxx CE RoHS conform

Description

Rated Temperature (°C) -20~80°C
Rated Voltage (V) 30V
Flammability VW-1

Reference Standard
UL 758 & Customer's requirements

Construction

Conductor	Stranded Tinned Copper
Cores	3P
Cross Section (AWG)	30AWG
Construction (mm)	30/0.05+fibre
Insulation	TPE
Nom. Thickness (mm)	0.15
Insulation Dia. (±0.10mm)	0.70
Twisted Pair	2C
Filler	Yes
Cabling	3P+Filler
Wrapping Tape(Coverage,%)	100%
Braided Shielding	Tinned Copper
Coverage (nom. %)	85%
Jacket	PVC
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.50
Outer Dia. (±0.20mm)	4.80

CHAIN-210509
Part No.: -----

Customer: WILLTEC
Ref. spec No. : ----- Rev.: 0

Revision History

Color

Pair Color:

1	White-Brown
2	Green-Yellow
3	Gray-Pink

Outer Jacket :
According to Customer's requirement.

Performance

Electrical Characteristics(20°C):

Max. Conductor DC Resistance (Ω/km)	381.0
Dielectric Strength (kV/1min, AC)	0.5

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	
Abrasion Resistant	
Sliding Test (R≥7.5D: 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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Prepared by: KAKA 2021/7/28 Table No.:TFA046 Rev.:9
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* 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.