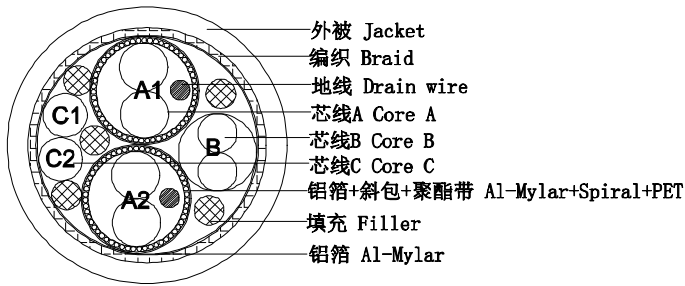


USB 3.0 CABLE

Cross Section



Marking

XXXXXXXXm MM/DD/YY E148000 AWM
 STYLE 20276 80°C 30V VW-1 -LF- PCXX USB3.0 **LTK**

Description

Rated Voltage (V) 30
 Rated Temperature (°C) -20~80
 Product Standard Certification UL
 Flammability Test VW-1

Application
 For Internal wiring of electronic equipment

Reference Standard
 UL758,USB3.0

Construction

Stranded Tinned Copper

8Cores	A:2P	B:1P	C:2C
AWG	28	28	24
Construction (mm)	44/0.05	44/0.05	41/0.080+Tinsel
Stranded Dia. (mm)	0.38	0.38	0.71
Insulation	PP	PP	PP
Nom. Thickness (mm)	0.32	0.18	0.18
Insulation Dia. (±0.05mm)	1.05	0.80	1.10
Twisted Pair (mm)	2.10	1.60	----
Drain Wire	Tinned Copper	----	----
Construction (mm)	44/0.05+250D Nylon	----	----
Al-mylar shield (over lapping,%)	≥25%	----	----
Spiral shielded	Tinned Copper	----	----
Coverage Area (%)	≥90	----	----
PET tape (over lapping,%)	≥25%	----	----
Cabling		A+B+C+Filler	
Filler		Yes	
Al-mylar shield (over lapping,%)		≥25	
Braid Shield		Tinned Copper	
Construction (mm)		0.10	
Coverage Area (%)		≥85	
Jacket		PVC	
Nom. Thickness (mm)		0.51	
Min. Thickness (mm)		0.43	
Outer Dia. (±0.30mm)		6.80	

CHAIN-190253

Part No. :

Spec No. : SK-CHAIN-1091 Rev: 0

Revision History

Color

Insulation :
 A: A1.Yellow- Blue A2.Orange-Violet
 B: Green -White.
 C: C1.Red C2.Black

Jacket colors:
 Per requirement

Performance

Electrical Characteristics:

Min. Insulation DC Resistance (MΩ*km)		100.0
Dielectric Strength (kV/min)		0.50
Max. DC Resistance at 20°C (Ω/km)		A,B:239,C:94.2
Differential (Ω) (TDR)	Core A	90+/-7(diff)
Delay skew(ps/m)	(Intra-pair)	≤=15
DCMC (0.1~7.5GHZ)		≤=-20

Differential (Ω) (TDR) Core B 90+/-13.5(diff)

Delay Skew (ps/2.5m) ≤=100

Attenuation(dB/2.5m)	f(MHz)	Attenuation	12.0	≤=0.76
	0.512	≤=0.13	24.0	≤=0.95
	0.772	≤=0.15	48.0	≤=1.35
	1.00	≤=0.20	96.0	≤=1.90
	4.00	≤=0.39	200.0	≤=3.20
	8.00	≤=0.57	400.0	≤=5.80

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥10.35
Aging Elongation (%)	≥100
Aging Condition (°C)	113±2°C x 168 hrs
After Tensile Strength (Mpa)	≥70% of original
Aging Elongation (%)	≥65% of original

Oil Resistant

Abraision Resistant

Chain Test

(Bending Radius: ≥ 12.5D; Distance: ≤ 2m; Speed: ≤ 2m/s) ≥ 5 million times



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- Dalian LTK Electric Wire Ltd

Prepared by: LINSONG 2020.02.17 Table No.:TFA046 Rev.: 7
 Approved by: Emma.Bao 2020.02.17 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.