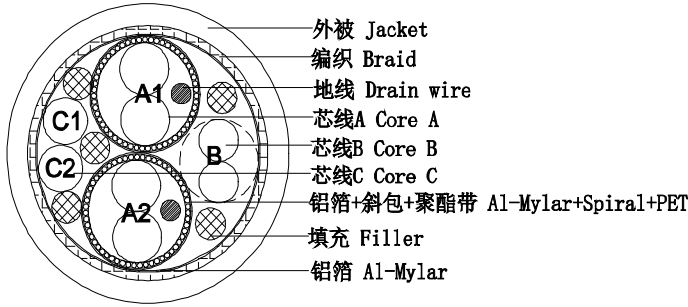


USB 3.0 CABLE

Cross Section



Marking

E148000 AWL AWM STYLE 20276 80°C 30V VW-1 -LF- PCXX
 USB3.0 LTK RoHS conform MM/DD/YYYY XXXXXm

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		
	A:2P	B:1P	C:2C
8Cores			
AWG	26	26	22
Construction (mm)	37/0.07	37/0.07	65/0.08+250D
Stranded Dia. (mm)	0.49	0.49	0.75
Insulation	FM-PE	PP	PP
Nom. Thickness (mm)	0.30	0.23	0.20
Insulation Dia. (±0.05mm)	1.20	1.00	1.20
Twisted Pair (mm)	YES	YES	----
Drain Wire	Tinned Copper	----	----
Construction (mm)	37/0.07	----	----
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(75+/-5A)	
Nom. Thickness (mm)		0.51	
Min. Thickness (mm)		0.43	
Outer Dia. (±0.15mm)		7.10	

CHAIN-200134-2

Part No. :

Spec No. : SK-CHAIN-1113 Rev: 1

Revision History

Add the Sliding Test

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:150,C:59.4
Core A	
Differential (Ω) (TDR)	90+/-7(diff)
Delay skew(ps/m)	(Intra-pair) <=15
DCMC (0.1~7.5GHZ)	<=20

F	enuation(dB/2.5m)	F	r End Crosstalk(dB)
100MHZ	<=1.0	100MHZ	>=27
1.25GHZ	<=4.5	2.5GHZ	>=27
2.5GHZ	<=6.5	3.0GHZ	>=23
7.5GHZ	<=17.0	7.5GHZ	>=23

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

Delay Skew (ps/2.5m)	<=100			
Attenuation(d)	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
 Sliding Test (R≧100mm; Travel ≤1m; Rate: ≤2m/s) **5 million**

Environmental Restricted Substance Requirement

- RoHS2.0
- REACH
- CP65
- Antimony free (Sb<700ppm)
- HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
- SONY SS-00259
- "means Compliance



LTK INTERNATIONAL LIMITED

Tel: (852) 2385 1866 Web: www.ltkcable.com
 Fax: (852) 2572 3832 WeChat: LTK_Cable

- LTK Electric Wire (Huizhou) Ltd
- Huizhou LTK Electronic Cable Ltd
- LTK Electric Wire (Changzhou) Ltd
- LTK Cable (Vietnam) Ltd

Prepared by: KAKA 2022/11/14 Table No.:TFA046 Rev.:9
 Approved by: Emma.Bao 2022/11/14 Page 1 of 1

* Usage instruction: (The followings are general instructions , if there are special requirements, please follow the specific specifications)

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.