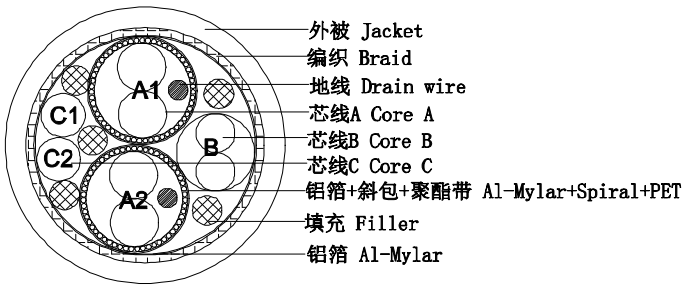


**USB 3.0 CABLE**

**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**

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**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  
 Abrasion Resistant

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



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- LTK Electric Wire (Changzhou) Ltd • LTK Cable (Chongqing) Ltd
- 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.