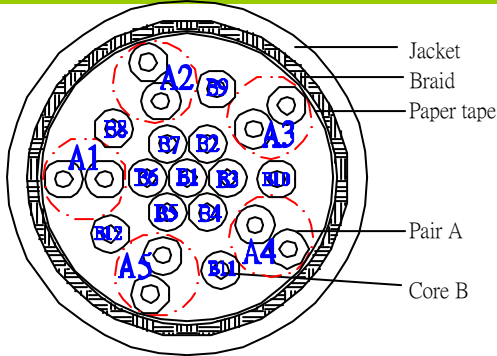


**UL 20276 LOW VOLTAGE COMPUTER CABLE**

**Cross Section**



**Marking**

YYWW TOTOKU AWM 20276 VW-1 80C 30V E46560-C YYWW

**Description**

Rated Voltage (V)	30
Operating Temperature (°C)	-20~80
Product Standard Certification	UL
Flammability test	UL VW-1
The insulation and Jacket is lead free.	

**Application**

For communication and signal control systems

**Reference Standard**

UL758, UL1581 & CSA C22.2 No. 210.2 & Per request

**Construction**

	A(5P)	B(12C)
<b>5 Pairs + 12 Core</b>		
<b>Conductor</b>	<b>Stranded Tinned Copper</b>	
AWG	30	30
Construction	7/0.10	7/0.10
Dia. (mm)	0.30	0.30
<b>Insulation</b>	<b>PP</b>	<b>PP</b>
Min. Thickness (mm)	0.11	0.11
Nom. Thickness (mm)	0.14	0.14
Insulation Dia. (±0.06mm)	0.58	0.58
<b>Twist</b>		
Direction	S	-
<b>Assembly</b>	<b>A+B</b>	
Paper tape wrap shield (overlapping,%)	≥25%	
<b>Braid Shield</b>	<b>Tinned Copper</b>	
Coverage (%)	95(Ref.)	
<b>Jacket</b>	<b>PVC</b>	
Min. Thickness (mm)	0.41	
Nom. Thickness (mm)	0.55	
Dia. (±0.2mm)	5.00	

**Customer No.:**

Ref. spec No. SK-20276-3070

Rev.:0

**Revision History**

**Color**

Insulation colors are:

**Pair A**

1.White\*red 2.White\*orange 3.White\*yellow 4.white\*blue 5.White\*Green

**wire B**

B1.Black B2.Brown B3. Red B4.Orange B5.Yellow B6.Green B7.Blue B8.Violet B9.Gray B10.White B11.Pink B12.White/Blue

**Note:**

"White/Blue" means White is the base color , Blue is the single stripe color

**Jacket:**

Per request

**Performance**

**Electrical Characteristics:**

Max. Conductor DC Resistance at 20°C (Ω/km)	376.0
Insulation resistance(MΩ.KM)	1.0
Character Impedance (Ω)	A:100+/-10
Dielectric withstand(AC V/MIN)	500

**Mechanical Characteristics:**

Test Object	Insulation	Jacket
Test Material	PP	PVC
Before Tensile Strength (Mpa)	≥20.7	≥10.3
Aging Elongation (%)	≥150	≥100
Aging Condition (°C)	100±1°C X 240hr	113±1°C X 168 hrs
After Tensile Strength (Mpa)	≥70% of original	≥70% of original
Aging Elongation (%)	≥70% of original	≥65% of original



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- Dalian LTK Electric Wire Ltd.
- LTK Industries (Suzhou) Ltd.
- LTK Cable (Chongqing) Ltd.

Prepared by: yanghua 2011/4/18 Table No.:TFA04 Form Rev.: 4  
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