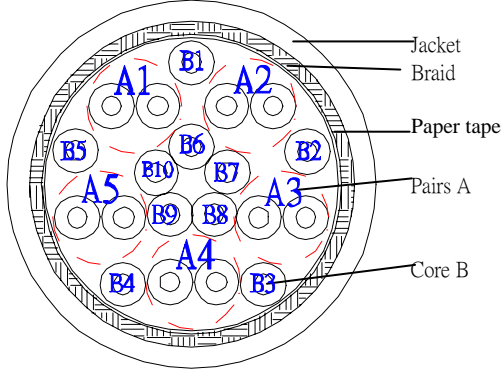


UL 20276 LOW VOLTAGE COMPUTER CABLE

Cross Section



Marking

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

Description

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

Application

For internal wiring or external wiring of systems equipment and electronic equipment

Reference Standard

According to the Standard of SS00259

UL758, UL1581 & CSA C22.2 No. 210.2

Construction

	A(5P)	B(10C)
5P+10C		
Conductor	Stranded	Tinned Copper
AWG	30	30
Construction (mm)	7/0.10	7/0.10
Stranded Dia.	0.30	0.30
Insulation	PP	PP
Min. Thickness (mm)	0.11	0.11
Nom. Thickness (mm)	0.14	0.14
Insulation Dia. (±0.06mm)	0.58	0.58
Twist		-
Direction	S	-
Assembly		A+B
Direction		S
Paper tape overlapping(%)		≥25%
Braid shield		Tinned Copper
Construction(mm)		16/11/0.08
Coverage (%)		93%(Ref.)
Jacket		PVC
Min. Thickness (mm)		0.49
Nom. Thickness (mm)		0.65
Dia. (±0.20mm)		5.00

Sample No:

Ref. spec No.: SK-20276-3069 Rev.: 0

Revision History

Color

Insulation:

Paire:A

A1.White*Red A2.White*Orange A3.White*Yellow
A4.White*Blue A5.White*Green

Core B:

B1.Black B2.Brown B3.Red B4.Orange B5.Yellow
B6.Green B7.Blue B8.Violet B9. Grey
B10.White

Jacket:

Per Request

Performance

Electrical Characteristics:

Max. Conductor DC Resistance at 20°C (Ω/km)	376.0
Character Impedance (Ω) TDR	100 +/-10 (Core A)
Dielectric Strength(V/1min)	500
Min. Insulation DC Resistance at 20°C(MΩ.km)	1

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 240hrs	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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Prepared by: Ray 18-Apr-11 Table No.:TFA046 Form Rev.: 4
Approved by: CICI 18-Apr-11 Page 1 of 1