

No. ; SP02-23-90810

Date ; Apr. 15, 2002

SPECIFICATION

FOR

UL RECOGNIZED LEAD FREE IRRADIATED PVC INSULATED WIRES FOR I.D.C. (PITCH=1.0mm)

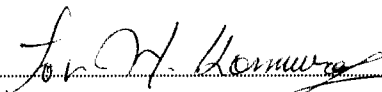
[P/N ; UL1571(IR)-SSR 1X32AWG(7/0.08)LF D=0.54 P-10]

Quantity

Your Ref. No.

Our Ref. No.

Signed by



Hajime Kimura

Manager

Electronic Wire & Cable design department
Hitaka works, Electronic Supplies Group

Hitachi Cable, Ltd.

1. Scope

This specification covers UL recognized lead free irradiated PVC insulated wires for 1mm pitch I.D.C.connector for internal wiring of electronic equipment.

[UL Style : 1571 / 80°C, 30V]

Use : Internal wiring of Class 2 circuits in electronic equipment.

2. Applicable standards

(1)UL subject 758

(2)Japan Electrical Appliance and Material Control Law (DENTORI-HOH)

3. Construction and materials

shown in the Table 1

4. Properties

shown in the Table 1

5. Marking

No marking

6. Packing

6.1 Unit length and package style

Unit length : max. 4,880m

Package : Plastic spool (P-10 ; shown in the Fig.1)

6.2 Marking on the tag

Each package shall be tagged to show the following information with UL stamp.

- | | |
|---------------------|--------------------------|
| (1)UL style | (8)Rating temperature |
| (2)Conductor size | (9)Rating voltage |
| (3)No. of conductor | (10)Date of manufacture |
| (4)Color | (11)Insulation thickness |
| (5)Lot No. | (12)Use |
| (6)Length | (13)Name of manufacturer |
| (7)UL file No. | |

7. Recognized data

(1)UL file No. : E41447

(2)DENTORI-HOH : F-HDH1-002 or F-HDT1-002
approval No.

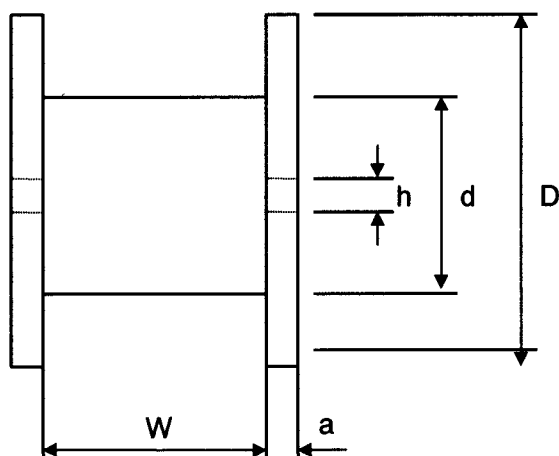
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Table 1 Construction and materials of wire

Item	Unit	Specified value	
UL style	-	1571	
Rating temperature	°C	80	
Rating voltage	V	30	
No. of conductor	-	1	
Conductor	material	tinned annealed copper wire	
	AWG size	32	
	stranding	No./mm	7/0.08
	diameter	mm	nominal 0.24
Insulation	material	lead free irradiated PVC	
	thickness	mm	nominal 0.15
		mm	min. average 0.13
		mm	min. at any point 0.12
	diameter	mm	0.54±0.02
color	-	brown, red, orange, yellow, green, blue, violet, gray, white, black, pink, lightblue	
Conductor resistance	Ω/km	max. 597 (at 20°C)	
Insulation resistance * ¹	MΩ-km	min. 10 (at 20°C)	
Dielectric strength* ¹	-	withstand A.C.500V for 1min.	
Flammability	-	VW-1, -F-(DENTORI-HOH)	
Current rating(ref.) * ²	A	1.3	
Approx. mass	kg/km	0.5	

Note ; *¹ The spark test may be substituted in a production line.

*² Current rating at ambient temp. 40°C, max. conductor temp. 80



Type	D (mm)	d (mm)	W (mm)	a (mm)	h (mm)
P-10	200	90	110	12	25

Fig.1 Plastic spool