

preamp ⇔ FEE の signal cable

平成 8年10月18日
社務番号 8228-40120

ケル 株式会社 殿

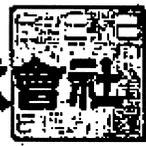
納入仕様書

UL認定50Ω丸型多芯ケーブル
【品名略号: UL2838 8×30AWG(T/G 162)】

受領印欄



日丘電線株式会社

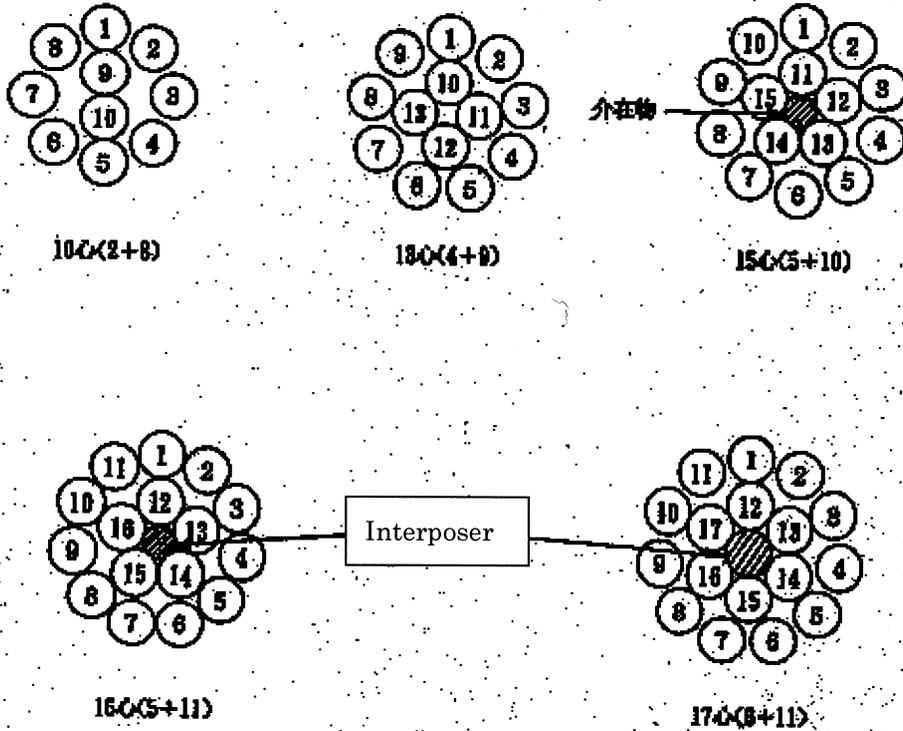


日高工場 機器電線設計部

承認	審査	作成

Fig 2

Coaxial cable disposition



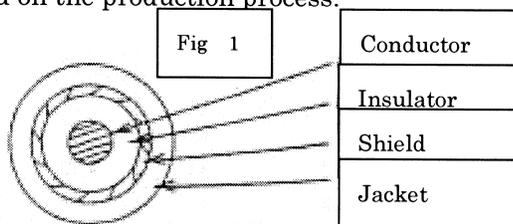
<Table of coaxial cable discrimination>

Cable No	Insulator color	Jacket color	Cable No	Insulator color	Jacket color
1	Black	red	11	gray	red
2	Black	blue	12	gray	blue
3	Black	green	13	gray	green
4	Black	yellow	14	gray	yellow
5	black	gray	15	gray	gray
6	wite	red	16	blue	red
7	wite	blue	17	blue	blue
8	wite	green			
9	wite	yellow			
10	wite	gray			

Table 2

List		Unit	Specification				
Number of cables		-	10	13	15	16	17
Conductor	AWG size	-	30				
	Structure	raws/m	7/0.102				
	Diameter	mm	0.31				
Insulator	Thickness	mm	0.29				
	Diameter	mm	0.89				
Shield thickness(about)		mm	0.08				
Jacket	Thickness	mm	0.08				
	Diameter	mm	1.21				
Diameter of stranded		mm	4.8	5.2	5.6	5.7	6.0
Sheath	Thickness	mm	0.45				
	Diameter(max)	mm	5.7(6.2)	6.1(6.6)	6.5(7.0)	6.6(7.1)	6.9(7.4)
Resistor of conductor(20°C)		Ω/km	Less than 357				
Test voltage* ¹⁾		-	This bears AC500V for a minute.				
Resistor of Insulator* ¹⁾ (20°C)		MΩ -km	More than 1,000				
Typical impedance (bet conductor - shield)		Ω	50±5 (at TDR)				
Delay time (bet conductor - shield)		nsec/m	Standard 4.8 (at TDR)				
Flamability		-	Pass UL VW-1 test				
Specific temperature		°C	60				
Specific voltage		V	30				
Standard length		m	150				
Packing			Bundle				
Weight		kg/km	55	69	79	82	87

*1) Specify between conductors or conductor and shield, however spark test is done between shield and ground on the production process.



Cross section of cable

3.mark

Following is written continuous on the surface of cable with not be erased easily.

AWM E41447 STYLE2833 VW-1  HITACHI

or

AWM E41447 STYLE2833 VW-1  HITACHI-T

4.packing

According to length, products are packed in order not to be damaged on carriage.

A card which has following items is attached on each length. UL label is printed other side of that card.

- | | |
|-------------------------|----------------------|
| (1) Style No. | (7) Sheath thickness |
| (2) Typical voltage | (8) Length |
| (3) Typical temperature | (9) Rot No. |
| (4) Producer | (10) File No. |
| (5) Product date | (11) Uses |
| (6) Size of conductor | |

1.adapt

This specification is created based on UL style Subject 758. This adapt to the cable (UL2833 : 60°C,30V) which used for electronic instulments.

Use : internal wiring in Class 2 circuit of electronic equipment.

2.structur specification

Look the table1,2 and fig1,2 about the cable structure and specification.

table 1

Lists		Specification
cable center wire (UL Style 1745)	Conductor	Stranded soft copper wire with tin plated
	Insulator	FEP(color : look fig2). It is covering equally as table2 thickness
	Shield	Wrapping soft copper wire with tin plated. Wire diameter :0.08mm
	Jacket	FEP(color: look table2). It is covering equally as table2 thickness.
Discrimination		Discriminate the cables by jacket and insulator color, refer to table2
Coaxial cables stranding		Strand some cables as fig2
Sheath		Vinyl It is covering equally as table2 thickne Thickness (min) : more than 0.33mm Thickness (max) : more than 0.38mm Color :gray (cord number : gray No.F)