

1. Scope

This specification covers the construction and the electrical properties of Micro Coaxial Cable.
 UL11130(80°C,30V) Coaxial Cable UL 11130 AWG 42 Coaxial (50ohm)

2.Construction

Unit: mm

| Item | | Details |
|------------|---------------------|---------------------------------|
| Conductor | Material | Silver Plated Copper Alloy Wire |
| | Composition (No.mm) | 7/0.025 |
| | O.D | 0.075±0.010 |
| Insulation | Material | PFA White |
| | Nom.Thick. | 0.059 |
| | O.D | 0.193±0.01 |
| Shield | Material | Tinned copper alloy wire |
| | Composition | Spiral Shield Of 0.03 |
| Jacket | Material | PFA /Green |
| | Nom.Thick. | 0.031 |
| | O.D | 0.32±0.015 |

3. Electrical Properties (at 20°C)

| Item | Unit | Details |
|--------------------------|-----------|---------------------|
| Conductor Resistance | Ω/km | Max.7300 |
| Insulation Resistance | MΩ·km | Min.1524 |
| Dielectric Strength | V(AC)/min | 500 |
| Characteristic impedance | Ω | 50±5 (at 1 ns @TDR) |
| Capacitance | Pf/m | 116±12(at 1KHz) |
| (*)Allowable Current | A | 0.3(/Ref.) |
| Rating Voltage | V | 30 |
| Permissible Temperature | °C | -40~125 |

(*1)Single coaxial cable in the air,at ambient temperature 40°C,

Max conductor temperature 80°C.

*Compliance "o"

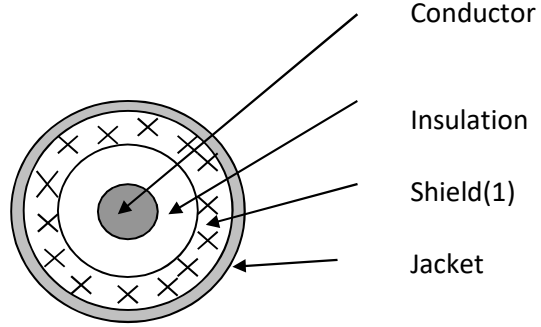
| RoHS Directive | | | | | | |
|----------------|---------|-----------|----------|-----------|----------|--------------|
| Lead Free | Hg Free | Cr6+ Free | PBB Free | PBDE Free | PVC Free | Halogen Free |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Remark:

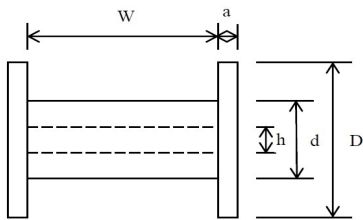
① Halogen Free : Cl (), Br (), (F) .

The scope of Halogen is not including Fluorin resin.

(*2)Single coaxial cable,L=100mm,V=20mm/min.

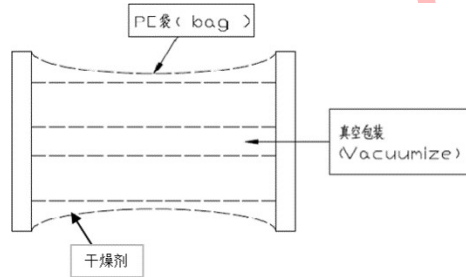


Unit: mm



| Item | D | d | W | a | h |
|-------|-----|----|----|----|----|
| P-130 | 130 | 60 | 90 | 10 | 20 |

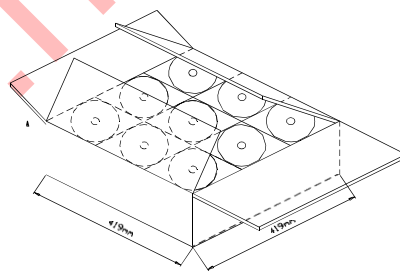
5.3 Packing of plastic reel:



5.4 Dimension of packing carton:

Unit: 9 Reels/box

Packing illustration



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

- (1) Date of manufacture
- (2) Name of manufacture
- (3) UL Style No.
- (4) Rating voltage
- (5) Rating temperature
- (6) Insulation thickness
- (7) Jacket thickness
- (8) Use
- (9) Conductor size
- (10) Color
- (11) Length
- (12) Lot No.、

7. Notice of application

7.1 :Please store the cable in the dry and cool place, suggest the store conditions as follows:

Temperature:20-30℃, Humidity: <60%,When under the above storage condition suggested that uses in one year

7.2 :When using the cable,be care not to break it because the cable is very thin and small

7.3 :When peeling the insulation,please be care of not breaking the inner conductor

7.4 :When assembling suggest the tinned plated conditions as follows: Temperature:265±5℃, Flux:JiShiYu-LFD, dip time:2-3s.

And do not immerge the insulation and jacket into tin. Because too high temperature and Too long time will cause the insulation and jacket softening and shrinking.

7.5 :When assembling please do not damage the insulation,otherwise short circuit between inner Conductor and outer conductor will be caused.

7.6 :Please don't use some organic compound wash the cable.

7.7 :When tearing the packing,please do not use the sharp tools to avoid damaging the cable in the bag.

7.8 :This products is not suitable for automobile application in some cases . Please contact with our sales office before you use this product.

End of specification

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