

1. Scope			
This specification covers the construction and the electrical properties of Shielded Wire. AWG46 Shielded Wire. 50Ω			
2. Construction		Unit : mm	
Item		Unit	Details
Conductor	Material	-	Silver Coated Copper Alloy Wire
	Composition	(No./mm)	7/0.016
	Nom.O.D	mm	0.048
Insulation	Material	-	PFA
	Nom.Thick.	mm	0.033
	Nom. O.D	mm	0.116
Shield	Material	-	Tinned Copper Alloy
	Composition	mm	0.025 Spiral Shield
Jacket	Material	-	PFA
	Nom.Thick.	mm	0.024
	O.D	mm	0.214+/-0.03

3. (20°C) Electrical Properties (at 20°C)

Item	Unit	Details
Conductor Resistance	Ω/km	Standard 15,500 (Max.15,500)
Insulation Resistance	MΩ·km	Min.1524
Dielectric Strength	V(AC)/min	300
Characteristic Impedance	Ω	50±5 (at 1 ns @TDR)
Capacitance	pF/m	110±11(at 1KHz)
Permissible Current	A	Max. 0.25
Maximum voltage	V	30
Temperature	°C	-40~80

*
*Only in air and single arrangement

4.Environment-Friendliness

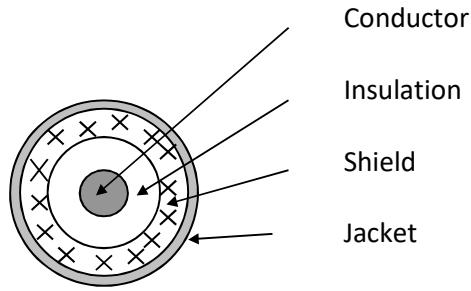
***Compliance "o"**

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

Remark:
The scope of Halogen is not including Fluorin resin.

--

4, Cross Section

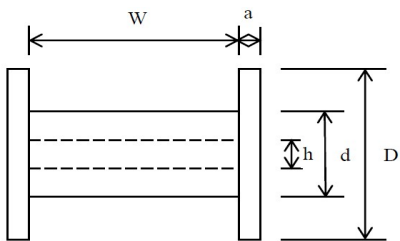


5. Packing

Standard unit length of finished cable shall be 400m on reel and shall be packed not to be damaged during transportation.

(Min length 50m/reel)

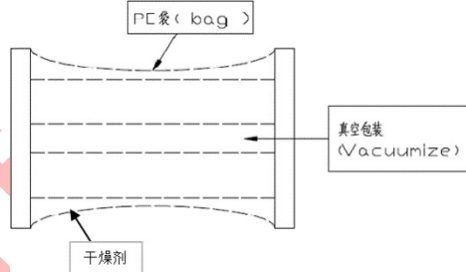
·Dimension of plastic reel (P-130;Black)



Unit: mm

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

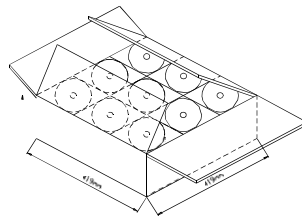
5.3 Packing of plastic reel:



5.4 Dimension of packing carton:

Unit: 9 Reels/box

Packing illustration



6. Marking

Each reel shall be tagged to show the following information

- (1) Size (4) Name of manufacture
- (2) Color (5) Item Code
- (3) Length

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 °C, 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°C, 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

www.rf-coaxial.com