

**1. Scope**

This specification covers the construction and the electrical properties of Shielded Wire.  
AWG 44 Shielded Wire. 50Ω

2. Construction		Unit : mm	
Item		Unit	Details
Conductor	Material	-	Silver Plated Copper Alloy Wire
	Composition	(No./mm)	7/0.021
	Nom.O.D	mm	0.063
Insulation	Material	-	PFA
	Nom.Thick.	mm	0.05
	Nom. O.D	mm	0.16
Shield	Material	-	Tin plated Copper Alloy
	Composition	mm	Details
Jacket	Material	-	0.025 Spiral
	Nom.Thick.	mm	0.023
	O.D	mm	0.256+-0.03

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

Item	Unit	Details
Conductor Resistance	Ω/km	Standard 8100(Max.10000)
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**

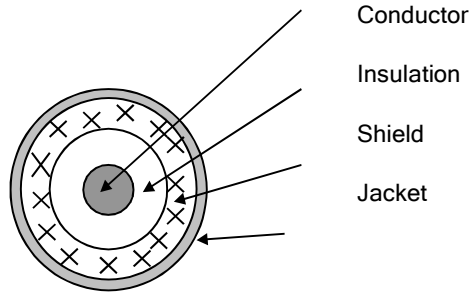
\*Compliance "○"

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.

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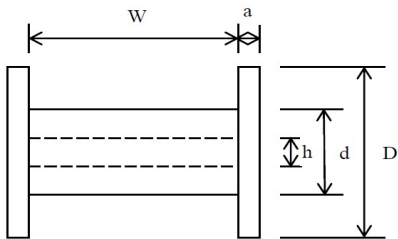
4 Cross Section



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)

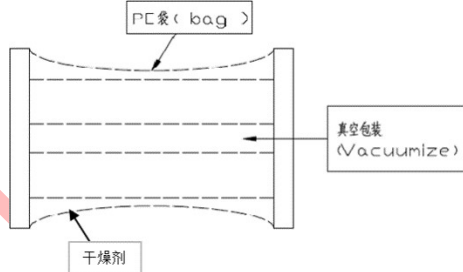
·Dimension of plastic reel ( P-130;Black )



Unit: mm

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

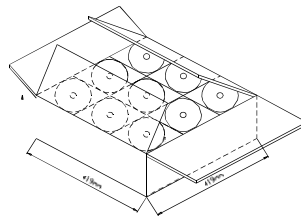
5.3 Packing of plastic reel:



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

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