



WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)
 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 TAI HWA ELECTRONIC CO., LTD.(CHINA)
 SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)
 SU ZHOU AEON TECH CO., LTD. (CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 明泰科技股份有限公司


PART NAME: RF Antenna Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C037-510794-A

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	吳忠達 	
DATE :	4/27-20	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

譚裕實業股份有限公司

Address: No. 326, Sec. 2, Kung Tao 5 Road, Hsin Chu City, Taiwan, R.O.C.

Tel: +886-3-5714225(REP.) Fax: + 886-3-5713853 · + 886-3-5723600

DONGGUAN AEON TECH CO.,LTD.(CHINA)

東莞台霖電子通訊有限公司

Address: Lakeside Industrial Park, Da Ling Shan Town, Dong Guan City, Guangdong, China

Tel: + 86-769-85655858 Fax: + 86-769-8565525

TAI HWA ELECTRONIC FACTORY

台樺電業製品廠

Address: Pak Ho District, Hou Street Town, Dong Guan City, Guangdong, China

Tel: + 86-769-85599375 · + 86-769-85912375 Fax: + 86-769-85599376

HUA HONG INTERNATIONAL LTD.

華弘國際有限公司

Address: Rm.1103A, President Commercial Centre, 608 Nathan Road, Mong Kok, Kowloon, Hong Kong

Tel: + 86-852-27712210 Fax: + 86-852-23843747

SHANGHAI HUA YU ELECTRONIC CO., LTD. (CHINA)

上海譚裕電子有限公司

Address: 3586, Wai Qing Song Road, Qing Pu County, Shanghai China

Tel: + 86-21-59741348 · + 86-21-59744101-4 Fax: + 86-21-59741347

SU ZHOU AEON TECH CO., LTD. (CHINA)

蘇州華廣電通有限公司

Address: Limin North Road, LiLi Town, LiLi Industrial Park, LinHu Economic Zone

Wujiang City, Jiangsu Province, China

Tel: + 86-512-63627980 Fax: + 86-512-63627981

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RF Antenna Cable Assembly

Specification

1. Electrical Properties :

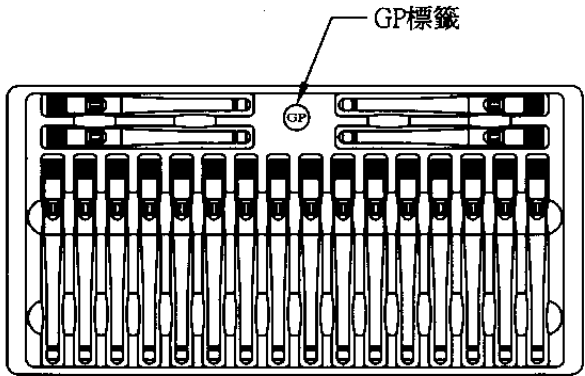
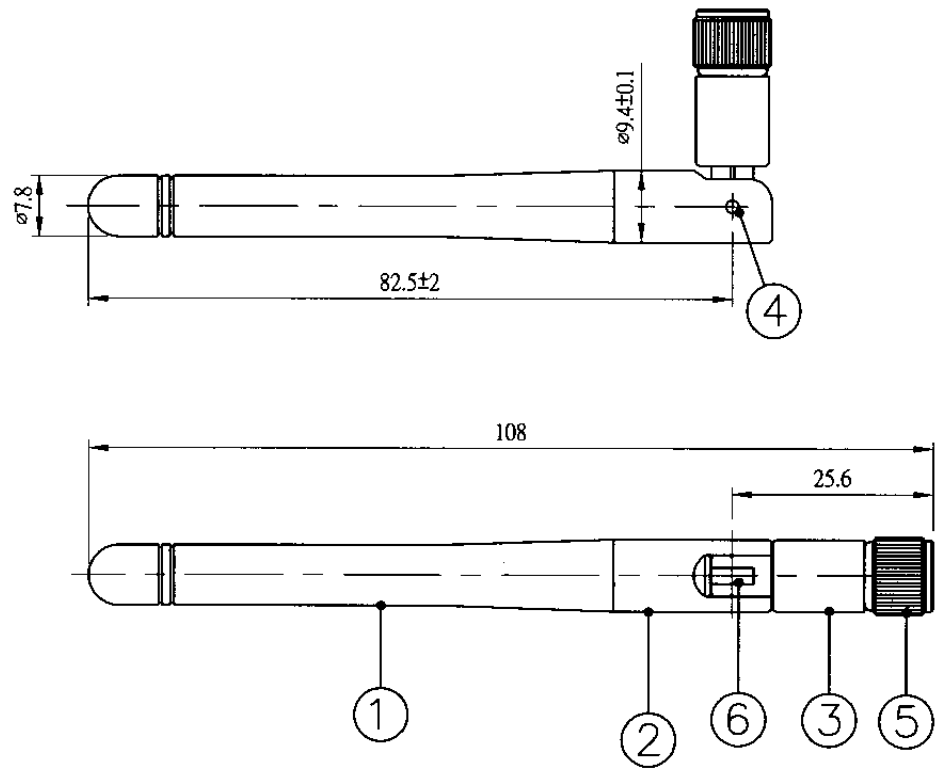
- 1.1 Frequency Range..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation Omni-directional
- 1.6 Gain..... 2.0dBi typ.
- 1.7 Polarization..... Linear Vertical
- 1.8 Admitted Power..... 1W
- 1.9 Cable..... RG-178 Coaxial Cable
- 1.10 Connector..... SMA Plug Reverse

2. Physical Properties :

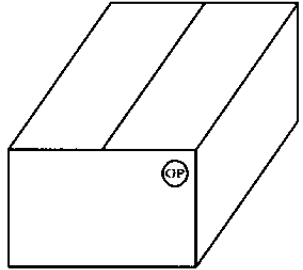
- 2.1 Antenna Cover..... TPE
- 2.2 Antenna Base..... PC
- 2.3 Antenna Base..... PBT
- 2.4 Operating Temp. -10 ~ +60
- 2.5 Storage Temp. -10 ~ +70
- 2.6 Color White(WY-051)

CG-

REV	DATE	DESCRIPTION
X1	4/2-2007	New Issue
X2	4/23-2007	Change Antenna Color



Packing : 20pcs/Tray



GP標籤貼於外箱兩邊側麥右上角共2PCS

Note : 成品淨重9.8g

NO	DESCRIPTION	QTY	REMARK
6	Cable	RG-178 , Translucent Brown ; 50 Ω	1
5	Connector	SMA Straight Plug/Reverse	1
4	Rivet	Brass ; Ni Plated	2
3	Antenna Base	PBT;Color: Rice White(WY-051)	1
2	Antenna Base	PC ; Color: Rice White(WY-051)	1
1	Antenna Cover	TPE;Color: Rice White(WY-051)	1

CUSTOMER'S SINGATURE

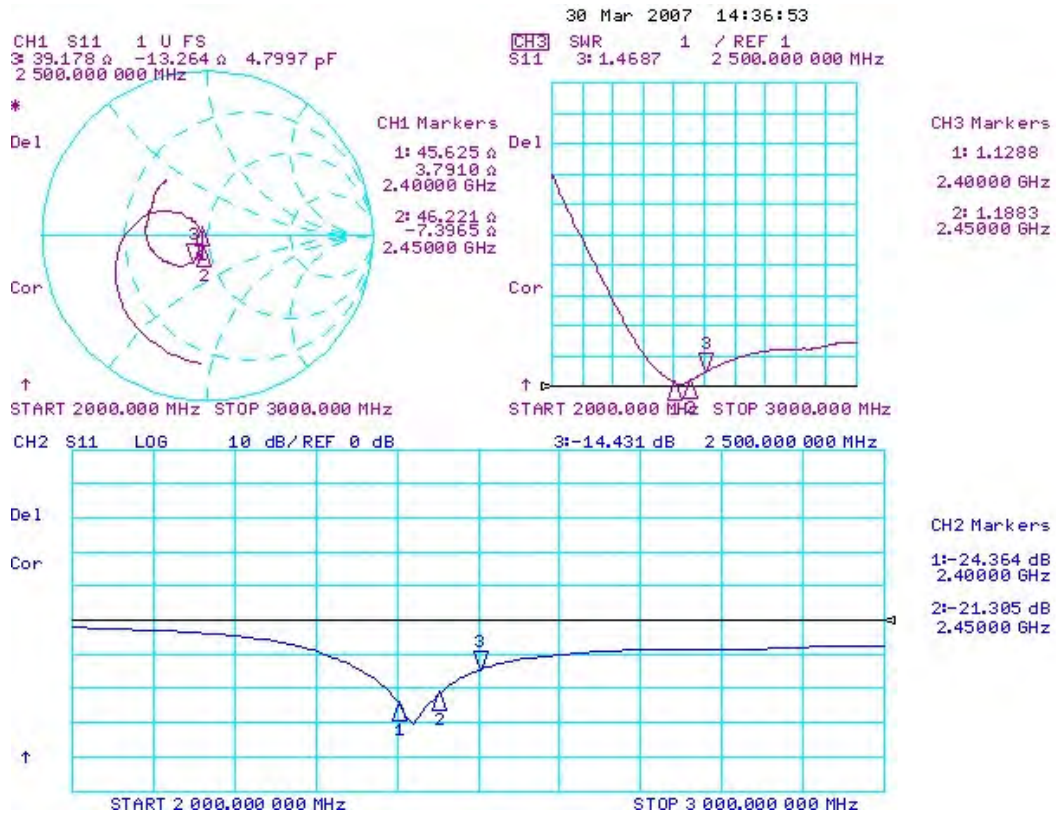
APPROVED: *Winsto*
 X. ±3.0
 .X ±1.0
 .XX ±0.5
 .XXX ±0.1
 CHECKED: 廖志明 4/23/07
 DRAWING: 廖孟伦 4/23/07

CUSTOMER: 明泰
 PART NO :
 PARTNAME: RF Antenna Assembly
 W.Y P/NO : C037-510794-A
 REV: X2 UNIT: m/m FILE :
 SHEET: 1/1

M.gear Wha Yu Group
 THIS DRAWING, AND ITS INHERANT DESIGN CONCEPTS, ARE THE PROPERTY OF WHA YU AND AS SUCH MAY NOT BE COPIED, REPRODUCED, OR GIVEN TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF WHA YU.

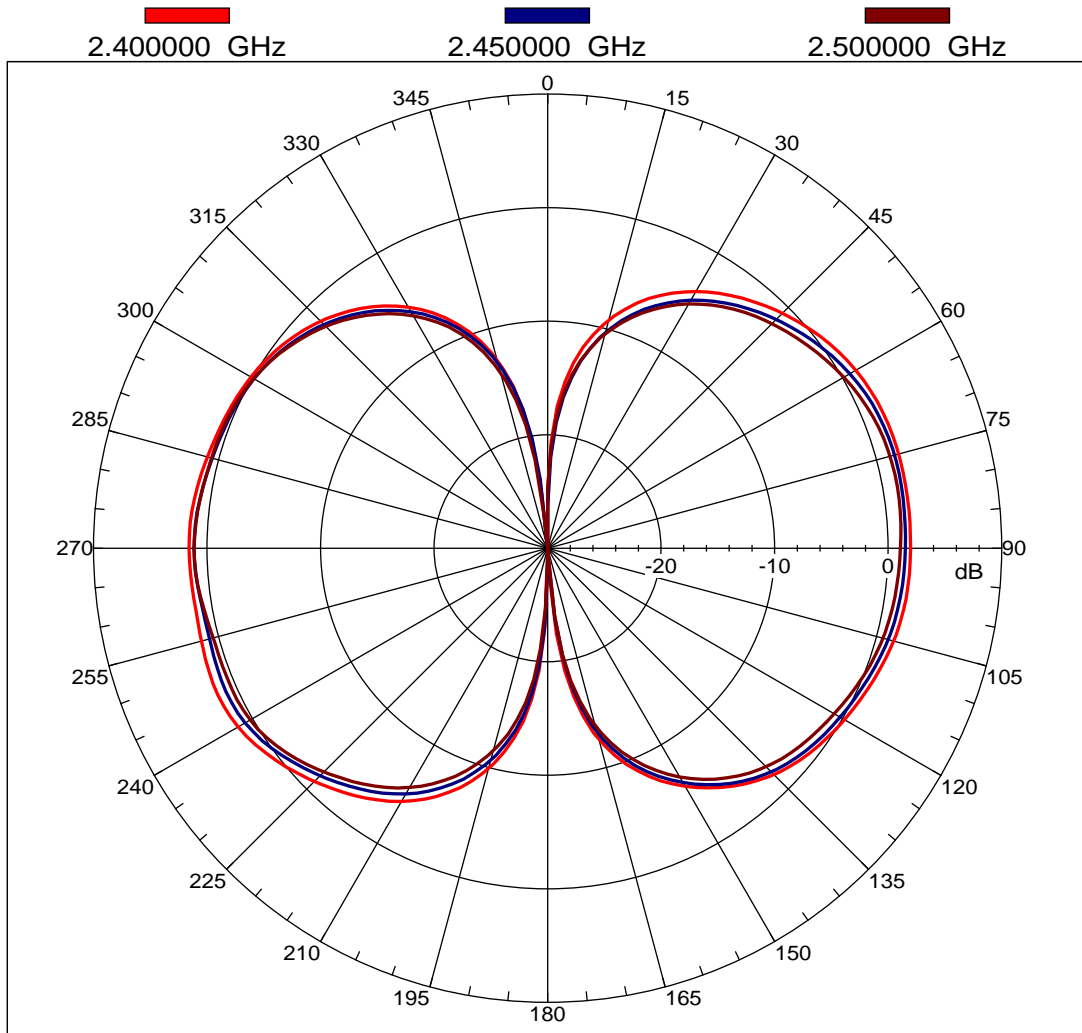
RF Antenna Assembly

P/NO : C037-510794-A (SSR-71267) SPEC :2.4~2.5 GHz

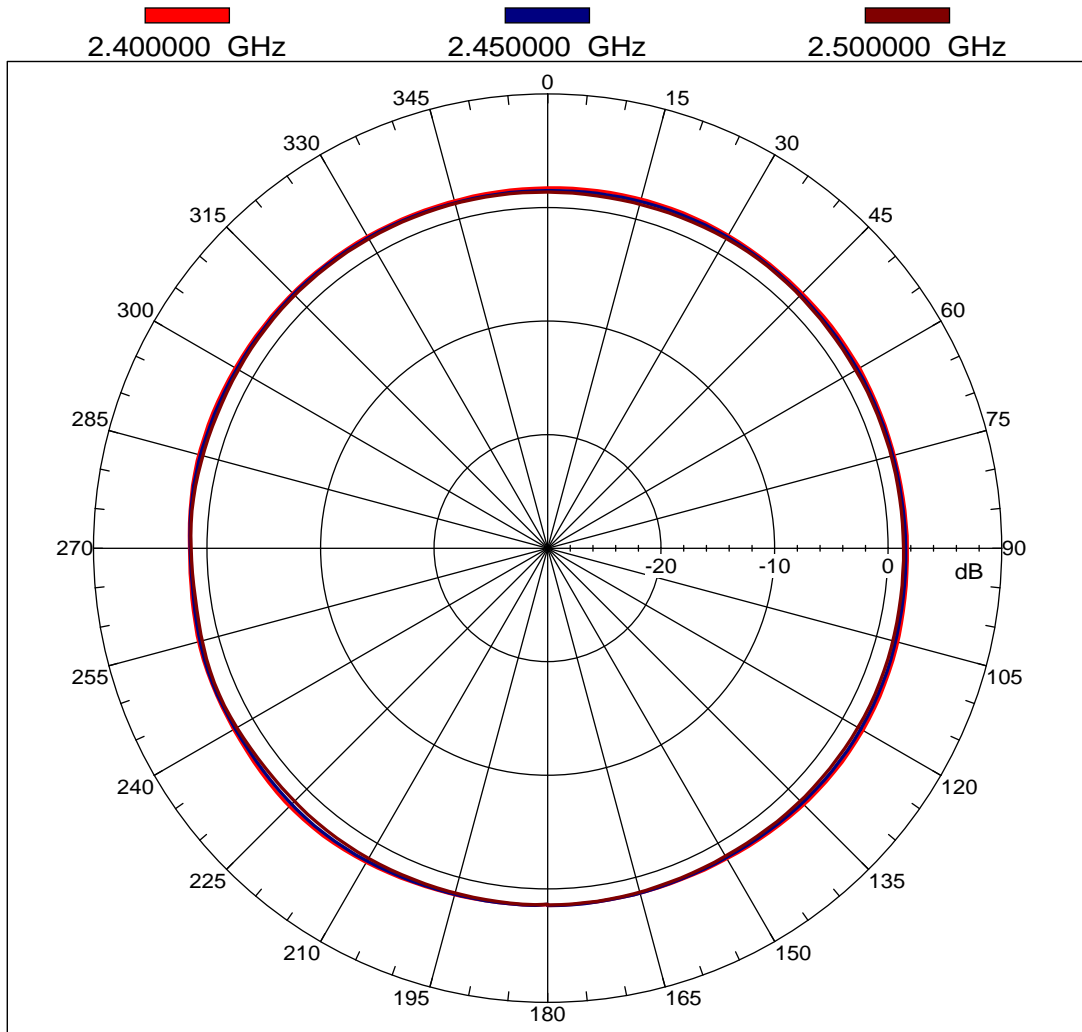


2007/3/30

Far-field amplitude of C037-510794-A SSR-71267 H E-PLANE.nsi



Far-field amplitude of C037-510794-A SSR-71267 V H-PLANE.nsi

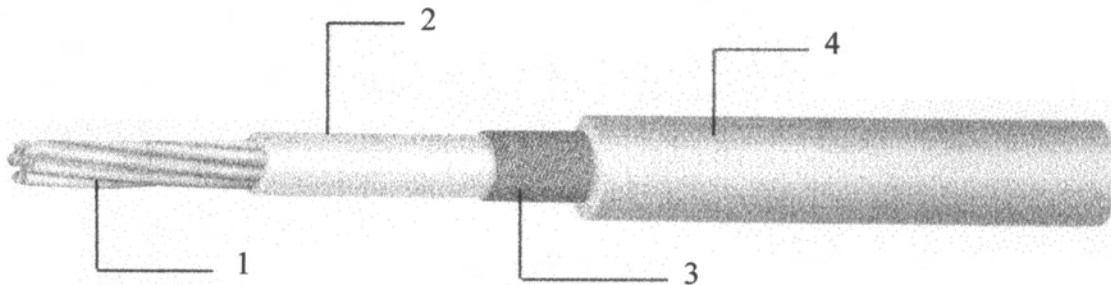


RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	1 / 2
PRODUCT STANDARD		ISSUED	21. Oct. 2003
		REVISED	


I - Scope

This specification presents a FEP insulated high-frequency coaxial cable AWG 30, 1.8 mm O.D. for internal wiring of electronic equipment, such as Computer / Notebook with wireless communication systems.

II - Construction



Item		Unit	Details
1. Inner Conductor	Material	—	CP-AG
	Composition	No./mm	AWG 30 or 7 × 0.1
	Dia. (approx.)	mm	0.305
2. Dielectric	Material	—	Extruded FEP
	Nom. O.D.	mm	0.84 ± 0.05
	Color	—	Natural
3. Outer Conductor	Material	—	Silver coated copper
	Composition	—	Braided (16 / 3 / 0.1)
	Dia. (approx)	mm	1.29 ± 0.07
4. Jacket	Material	—	Extruded FEP
	Dia.	mm	1.80 ± 0.08
	Color	—	Standard color is Light Orange

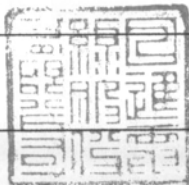
Note :		MADE BY	<i>Shen Bin Chiat</i>
		APPROVALS	<i>Shen Bin Chiat</i>

RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	2 / 2
PRODUCT STANDARD		ISSUED	21. Oct. 2003
		REVISED	

III – Characteristics

Item	Unit	Specified Value	Note
Temperature Rating	°C	-55 ~ +200	
Voltage Lasting	V	1000	
Dielectric strength	—	Dielectric core: No breakdown at AC 3 kv for 0.2 sec.	Spark test
		Jacket: No breakdown at AC 3 kv for 0.2 sec.	Spark test
Characteristic Impedance	Ω	50 ± 2	TDR method
Capacitance	pF / ft	29.4	
Attenuation. (Max.)	dB/100ft	16.0	100.0 MHz
		33.0	400.0 MHz
		52.0	1.0 GHz
		94.0	3.0 GHz
Approx. Weight	g / m	7.68	

Note :



MADE BY

Chuebe Lin

APPROVALS

Shen Bin Chao



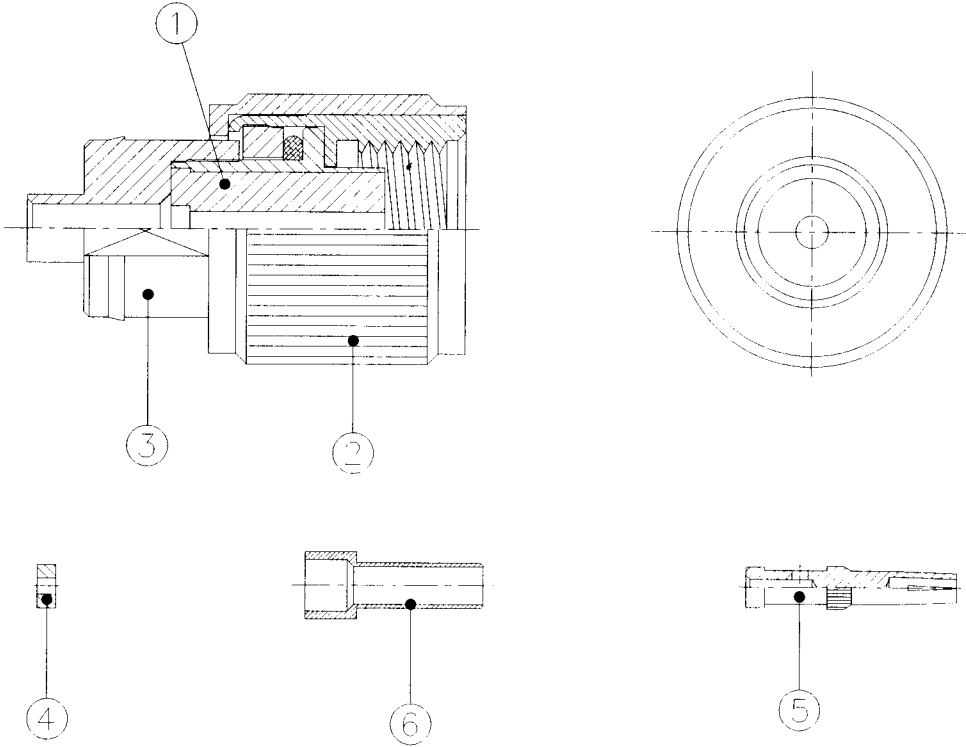
譚裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

Connector 材質證明書

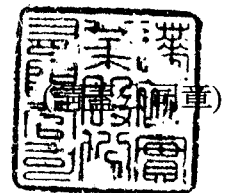
譚裕料號 Whayu P/N	100-2001156-AZ	產品名稱 Product Name	SMA Plug Reverse Straight For RG-178
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結構圖面



材質成份								表面處理
1	絕緣體	Teflon	PTFE					N/A
2	外殼	POM	POM					Cool Gray 1C
3	本體	Brass	Cu	Pb	Fe	Fe+Sn	Zn	鍍鎳
4	絕緣體	Teflon	PTFE					N/A
5	中心針	Phos. Bronze	Cu	Sn	P	Zn	Pb	鍍金
6	尾管	Brass	Cu	Pb	Fe	Fe+Sn	Zn	鍍鎳

Remark :



MATERIAL SAFETY DATA SHEET**1. General Information**

Product name : HAMBURG H-2

Supplier : HANPAO CO.,LTD.

jianshe Rd., longsheng chun longhua town, bao An District,shenzhen city, Guangdong,china.

Tel: 0755-28126898 Fax: 0755-28126080

Emergency Tel. No. : HANPAO CO.,LTD.

jianshe Rd., longsheng chun longhua town, bao An District,shenzhen city, Guangdong,china.

Tel: 0755-28126898

2. Composition

Irradiated cross-linkied, flexible polyolefin, flame retardant, hea shrinkable tubing.

3. Hazards Identification

Most important hazards: If the product is overheated or burned, harmful vapors shall be formed. The heated product has the potential to cause thermal burns, if touched.

< Note > Durning heat-shrinking process, a slight characteristic odor of plastic may be noticed. This odor is not harmful.

4. First aid measures

Inhalation : If vapors from the burning or overheated product are inhaled, provide fresh air. If symptoms are not reduced, seek medical advice.

Skin contact: If the heated product contacts skin, remove the product immediately.

Eye contact: If the heated product contacts eyes, rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.

Ingestion: Seek medical advice.

5. Fire-fighting measures

Suitable extinguishing media: water spray, dry powder, CO2 foam.

<Note> The product is flame-retarded(self-extinguish), but will burn, if continuously exposed to flame. Use the extinguishing media appropriate for the source of the fire. The self-contained breathing apparatus and the personal protective equipment may be needed in the evnt of large fires.

MATERIAL SAFETY DATA SHEET**6. Accidental release measures**

Personal precautions: Avoid contact with the heated product. Gloves may be required to handle the product, when hot. If overheated, avoid breathing fumes which may be emitted.
 Environmental precaution: In common with all good industrial practice, install in well ventilated areas only.

Methods for cleaning up: Sweep up and down in a disposal container.

7. Handling: No special handling advice required.

Storage: Store at room temperature in unopened packs to avoid direct sunlight.

8. Exposure controls / personal protection

Technical measures: Normal manufacturing environment.
 Personal protection equipment: Under normal operation, not necessary.

Hand protection: Gloves may be required to handle the product, when hot.

Eye protection: Under normal operation, not necessary.

Other protection: Under normal operation, not necessary.

9. Physical and chemical properties

Form: : liquor(tubing)

Color(standard) : Black, red, yellow, green, blue and white

Odor : Slight characteristic plastic odor.

Melting point/range : The material has melting point, 90 nominal, but it will not flow over

Boiling point/range : Not applicable

Flash point : Unknown

Ignition point : Unknown

Explosive properties : Not applicable

Vapor pressure : Not applicable

Specific gravity(20 : 1.35 nominal

Water solubility (20 : Small molecular solubility in water

10. Stability and preparation

Stability : Stable at normal conditions. Recommended max. operating temperature is 125 .
 Don't heat over 300 to avoid harmful vapors which may be formed at high temperature.

Material to avoid: None

Hazardous decomposition products: None under normal conditions. If the product is overheated or burned, harmful vapors (carbon monoxide and hydrogen halides) maybe be generated.

MATERIAL SAFETY DATA SHEET**11. Toxicological information**

Acute toxicity : Unknown

Skin : Not irritating, but the heated product has potential to cause thermal burn.

Eyes : If the product is overheated or burned, vapors may irritate eyes.

Inhalation : Harmful vapors produced by overheating or burning may cause irritation to the upper respiratory tract.

Ingestion : Not digestible.

Further information : During heating process of the product, slight plastic smell may cause discomfort for susceptible persons.

12. Ecological information

Biodegradability : Unknown (no data)

Aquatic toxicity : Unknown (no data)

Further information : Unknown (no data)

13. Disposal considerations:Product : Incinerate or bury in accordance with local and national regulations.
Contact proper local authorities

Contaminated packing : Cardboard boxes and reels can be delivered to local recycling facilities.

14. Transport information

Not classified as dangerous with regard to the transport regulation.

15. Regulatory Information

According to EC directive : Unknown

Symbol : Not applicable

R-phrase : Not applicable

S-phrase : Not applicable

16. Other Information

The information provided in this Product Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or property assurances.

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Aproval by
YINHAIYUN