

## **APPROVAL SHEET**

CUSTOMER : NETGEAR

MODEL NO : Cable-SMA(Mu)-1.5M-SMA(Mu)

PART NO : ACC-10314-01

DESCRIPTION : Cable Assembly

HPF195 SMA(M)rp + 1.5M + SMA(M)rp

DATE : 2003/03/28 (Version:0.1)

**Customer Approved**

<b>Issued</b>	<b>Checked</b>	<b>Approved</b>
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## SMA JACK

### Electric properties

- |                                     |                      |
|-------------------------------------|----------------------|
| 1. Frequency Range.....             | 0~8GHz               |
| 2. Impedance.....                   | 50 OHMS± 5Ω          |
| 3. SWR.....                         | ≤1.5                 |
| 4. Working Voltage.....             | ≤250 <i>Vrms</i>     |
| 5. Dielectric Withstanding Voltage. | ≤750 <i>Vrms</i>     |
| 6. Insulation Resistance.....       | ≥2000 <i>Megohms</i> |
| 7. Contact Resistance.....          | 3.0 Milliohms(Max)   |
| (Center contact)                    |                      |
| 8. Contact Resistance.....          | 2.5 Milliohms(Max)   |
| (Outer contact)                     |                      |
| 9. Insertion Loss.....              | 0.2dB                |

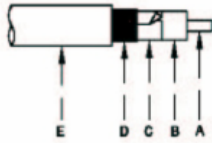
### Mechanical Properties

- |   |                                   |
|---|-----------------------------------|
| 1. Recommended coupling nut torque..... | 4.0 in.lbs.~8.8 in.lbs.           |
| 2. Coupling nut retention force.....    | ≥50 lbs                           |
| 3. Contact captivation axial.....       | ≥5 lbs.                           |
| 4. Operating Temperature.....           | -40°C~+80°C                       |
| 5. Thermal Shock.....                   | MIL-STD-202,Method107,ConditionB  |
| 6. Corrosion.....                       | MIL-STD-202,Method101,ConditionB  |
| 7. Shock.....                           | MIL-STD-202,Method213,Condition I |
| 8. Vibration.....                       | MIL-STD-202,Method204,ConditionD  |
| 9. Moisture Resistance.....             | MIL-STD-202,Method106             |

### Material Properties

- |                   |   |
|-------------------|---|
| 1. Body.....      | Brass Per JIS H3250 C3604 BD,<br>Gold Plated,Per MIL-G-45204  |
| 2. Contact.....   | Beryllium Copper Per QQ-C-530,<br>Gold Plated,Per MIL-G-45204 |
| 3. Insulator..... | PTFE Fluorocarbon Per ASTM D 1710                             |

# CABLE HPF195



Rev	Change	By	Date

**MASTER**

**Construction:**

- A) Center Conductor:  
Bare Copper  
OD 0.0375" ± .0005"
- B) Dielectric:  
Foam Polyethylene  
OD 0.110" Nom.
- C) Inner Shield:  
Bonded Aluminum Composite Tape  
OD 0.116" Nom.
- D) Outer Shield:  
36 AWG Tin Plated Copper  
90% Minimum Coverage  
OD 0.137" Nom.
- E) Jacket:  
FRPVC(Black)  
OD 0.195" ± 0.005"  
Printed "Harbour Industries HPF195HFPVC CATVR  
75C 18 AWG (UL)"

**Electrical:**

- Impedance: 50 Ohms Nom.
- Capacitance: 24.4 pF/ft Nom.
- Velocity of Propagation: 80 % Nom.
- Shielding Effectiveness: >90 dB
- Voltage Withstand: 2,500 VDC
- VSWR(.45-6.00GHZ): <1.15:1 Typical  
1.30:1 Maximum

Frequency GHz	Attenuation dB/100 Ft	
	Typical	(Max.)
1.00	11.4	(12.5)
2.00	16.3	(18.0)
3.00	20.2	(22.2)
4.00	23.5	(25.9)
5.00	26.5	(29.1)
6.00	29.2	(32.1)

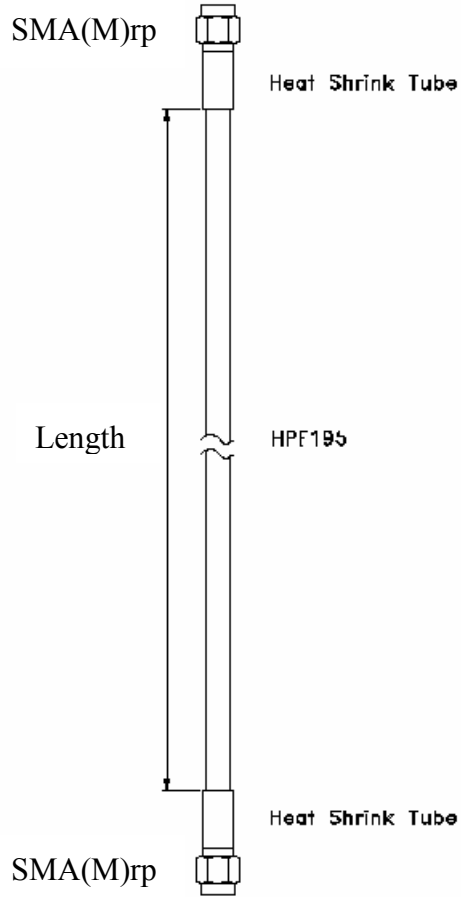
**Physical Properties:**

- Weight: 20.6 lbs/ 1000ft
- Minimum Bend Radius: 1.0 in
- Operating Temp. Range: -40 to +75 °C

Drawn By: MTPiner		<small>This drawing contains proprietary information and is issued in strict confidence and shall not be copied, reproduced, transmitted or disclosed to any third party either wholly or in part without prior written approval of Harbour Industries.</small>		
Approved By: <i>MTPiner</i>				
Date: 01/27/03	Scale: None	Part Number: TBD	Rev:	Sheet 1 of 1
Drawing Name: HPF195HFPVC			Drawing Number: 012703_1	

**Dimension**

Cable Length: 1500mm

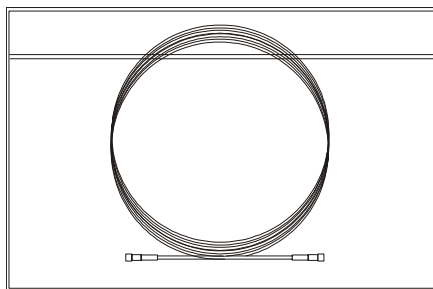


## Packages

Plastic Bag Size: 450(L) \* 280(W) \* 0.12(H) mm

Quantity : 1PCS/SET

Weight : 50g



Carton Size: 320(L) \* 250(W) \* 230(H) mm

Quantity : 20PCS/Carton

Weight : 1.8Kg

