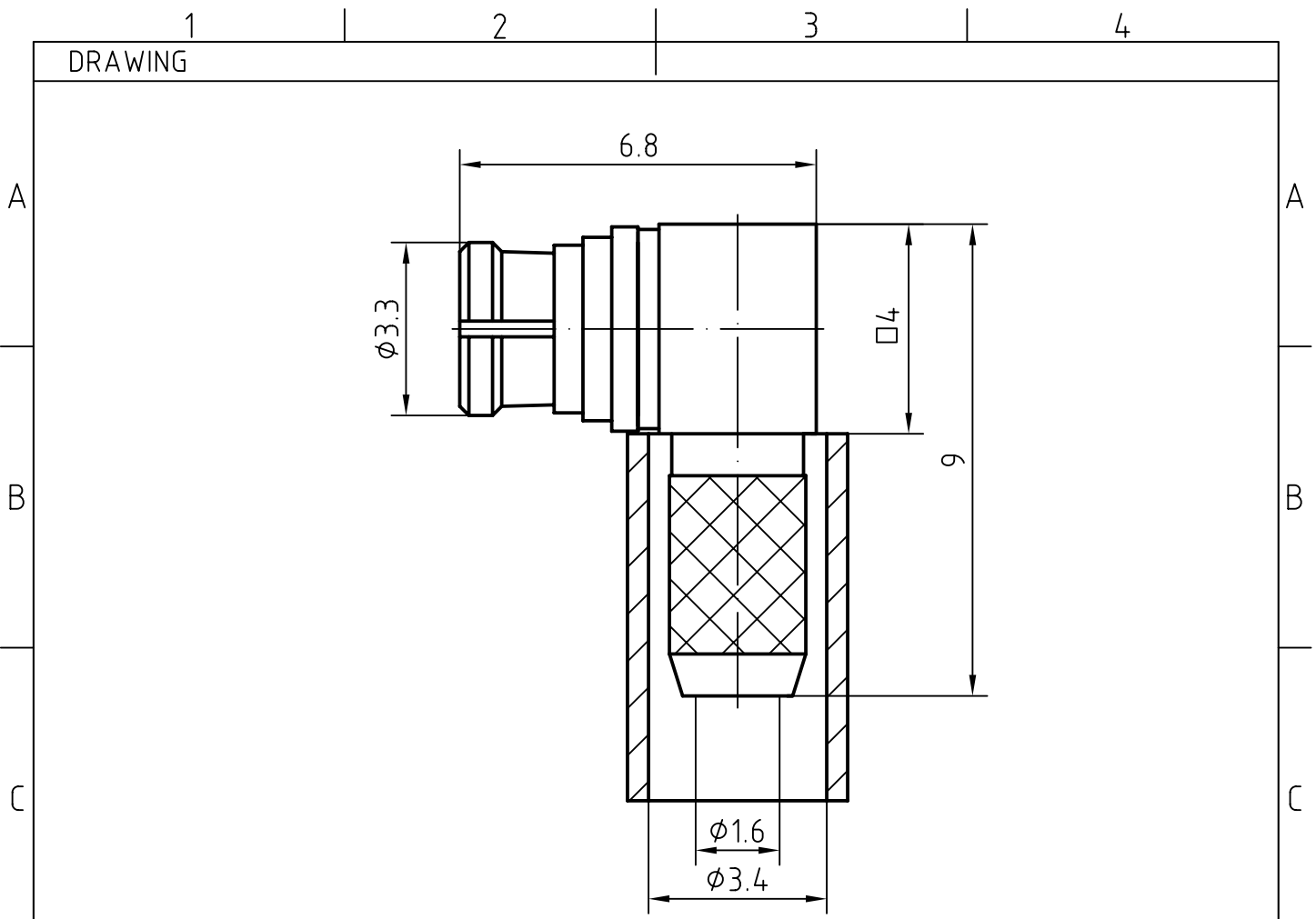
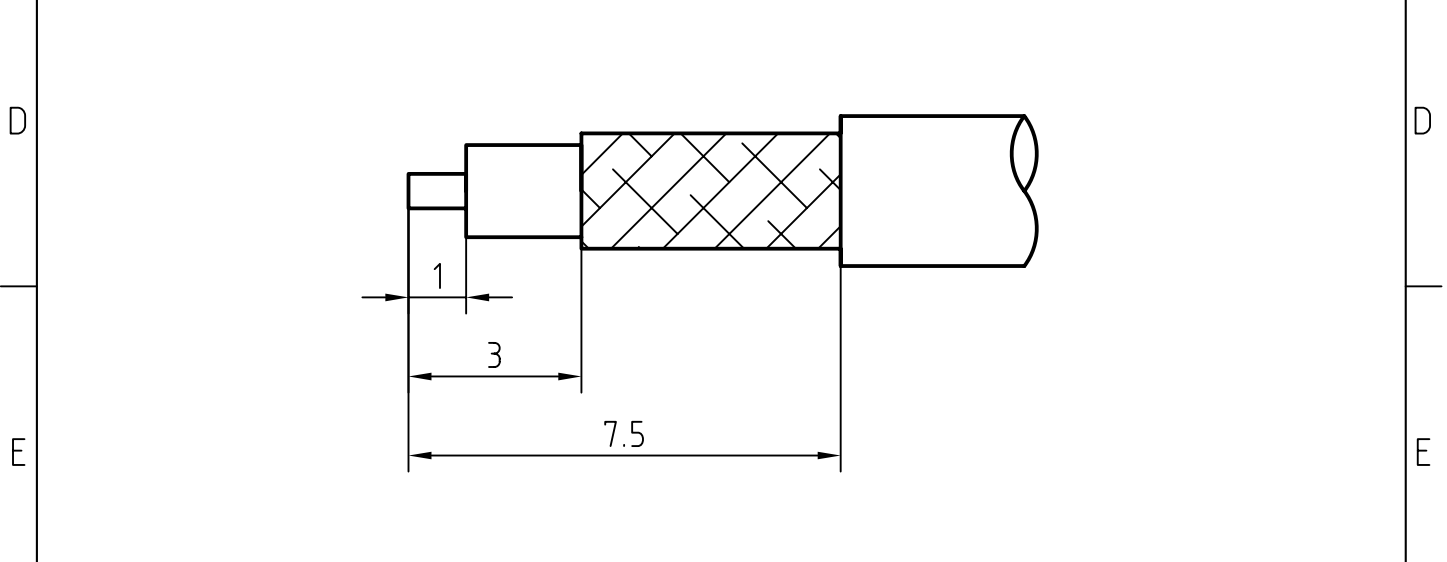


DRAWING



CABLE(RG316D)



4	1	Spring contact	Beryllium copper/Gold plated	Gold 0.2um over Nickel 2um
3	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2um
2	1	Insulator	PTFE	
1	1	Center contact	Beryllium copper/Gold plated	Gold 0.5um over Nickel 2um

Designed by Mingang Han	Checked by Jinlong Gu	Approved by - date Hongyu Du	File name SMP-KW2.5D	Date 15.05.05	Scale 10 : 1
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Amitron Electronics, Ltd.	SMP-KW2.5D	
	<a href="http://www.amel.ru">http://www.amel.ru</a>	Edition 1.0 Sheet 1/1

## CHARACTERISTICS

DESCRIPTION: SMP Type female R/A connector

### Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 6 GHz
VSWR:	$\leq 1.08 + 0.03Xf[\text{GHz}]$
Insertion loss:	$\leq 0.1X\sqrt{f[\text{GHz}]} \text{ dB, DC to 12 GHz}$
Insulation resistance:	$\geq 5000M\Omega$
Test voltage:	500 V rms
Working voltage:	335 V rms
Contact resistance:	
1). Centre contact:	6.0 m $\Omega$
2). Outer conductor:	2.0 m $\Omega$

### Environmental data:

Temperature rating:	-65 ° C to +165 ° C
2002/95/EC (RoHS):	Compliant

### Mechanical data:

#### Mating cycles:

- if mating part is smooth bore:	$\geq 1000$
- if mating part is limited detent:	$\geq 500$
- if mating part is full detent:	$\geq 100$
Center contact captivation:	$\geq 7 \text{ N(axial)}$

#### Engagement force:

- smooth bore:	$\leq 9 \text{ N.}$
- limited detent:	$\leq 45 \text{ N.}$
- full detent:	$\leq 68 \text{ N.}$

#### Disengagement force:

- smooth bore:	$\geq 2.2 \text{ N.}$
- limited detent:	$\geq 9 \text{ N.}$
- full detent:	$\geq 22 \text{ N.}$

### Suitable cables:

RG316D