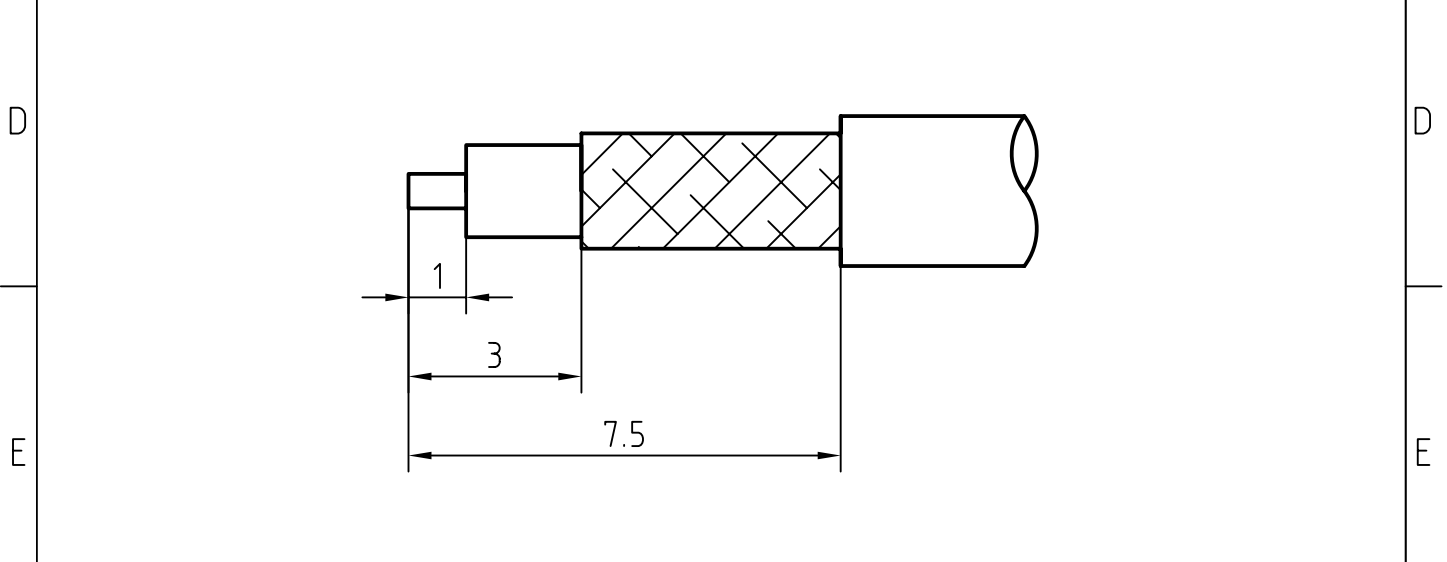


CABLE(RG174 A/U, RG188A/U, RG316/U)



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		Checked by	Approved by - date	File name	Date	Scale
			S3-221LQA			
					Edition	Sheet

1

</

CHARACTERISTICS

DESCRIPTION:

SMP Type female R/A connector

Electrical data:

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

Environmental data:

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

Mechanical data:

Mating cycles:	
- if mating part is smooth bore:	≥ 1000
- if mating part is limited detent:	≥ 500
- if mating part is full detent:	≥ 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:

RG174A/U, RG188A/U, RG316/U