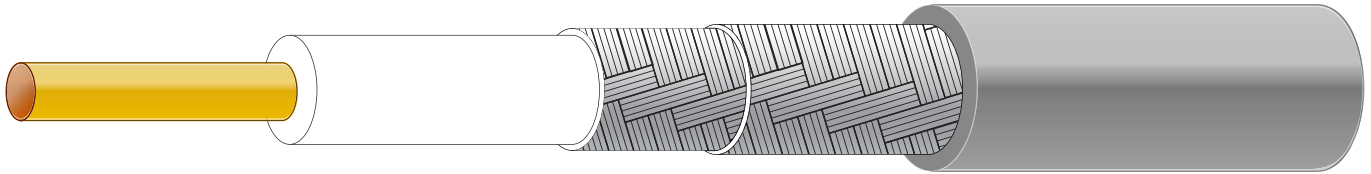
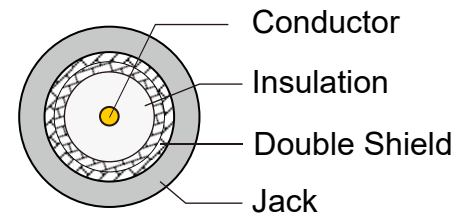




# RG142 Double Braid Coaxial Cable

Product No. D142D115AS

## Structure Figure



### Conductor

Material  
Silver-Coated Copper  
Coated steel

Structure  
19 AWG (1/0.94 mm)

Diameter  
0.95 mm

### Insulation

Material  
FEP

Average Thickness  
1.00 mm

Color  
Clear

Diameter  
 $2.95 \pm 0.03$  mm

### Braid Shield 1

Material  
Silver-Coated Copper

Construction  
16 / 6 / 0.13 mm

Cross No.  
14

Coverage  
93.9 %

### Braid Shield 2

Material  
Silver-Coated Copper

Construction  
16 / 6 / 0.13 mm

Cross No.  
18

Coverage  
94.1 %

### Jacket

Material  
FEP

Average Thickness  
0.38 mm

Color  
Brown

Diameter  
 $4.95 \pm 0.10$  mm

## Electrical Characteristics

Description	Specification
Impedance	Nom. $50 \pm 3 \Omega$
Conductor Resistance	$28 \Omega/\text{km}/20^\circ\text{C}$ Max.
Insulation Resistance	3000 Megaohm-km Min.
Capacitance	Nom. $96 \pm 3$ pF/M
Dielectric Strength	AC 1 KV/Minute
Spark Test	2 KV
Vel. of Prop.	Nom. 69 %
Heat Test	$230^\circ\text{C} \times 5$ sec. Shrink 1mm Max.
Flame Test	VW-1 OK

## Physical Characteristics

Description	Specification
Rating Temp Voltage	$200^\circ\text{C}$ 30V
Insulation Unaged	Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (168HRS×232°C)
	Elongation Unaged Min.75% (168HRS×232°C)
Jacket Unaged	Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (168HRS×232°C)
	Elongation Unaged Min.75% (168HRS×232°C)
Bend Radius	$\geq 4$ times of overall diameter

## Attenuation

Attenuation	100 MHz	300 MHz	1000 MHz	3GHz	6 GHz
dB/m	0.135	0.255	0.610	1.056	1.493
dB/ft	0.041	0.078	0.019	0.032	0.046