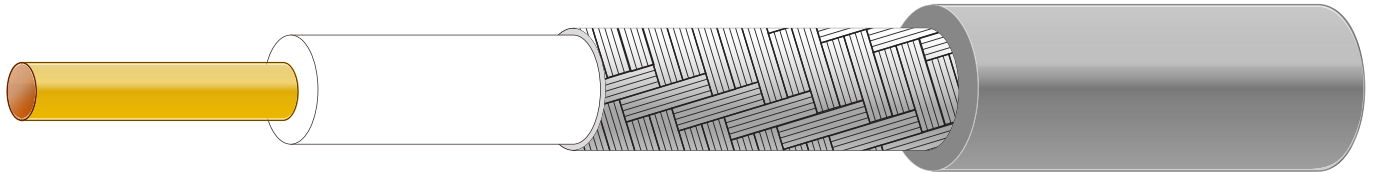
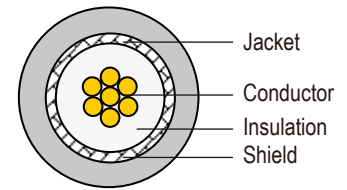


# RG-316 Coaxial Cable

Product No. D3160115AT

## Structure Figure



### Conductor

Material  
Silver-Coated Copper  
Clad Steel(SCCS)

Construction  
AWG 26(7/0.175mm)

Diameter  
0.53 mm

### Insulation

Material  
FEP

Average Thickness  
0.51 mm

Color  
Clear

Diameter  
1.53 ± 0.03 mm

### Shield

Material  
Tinned-Coated Copper

Construction  
16 / 5 / 0.1 mm

Coverage  
95.1 %

### Jacket

Material  
FEP

Average Thickness  
0.30 mm

Color  
Brown

Diameter  
2.53 ± 0.10 mm

## Electrical Characteristics

Description	Specification
Impedance	50 ± 5 Ω
Conductor Resistance	117 Ω/km 20°C Max.
Insulation Resistance	3000 MΩ/km Min.
Capacitance	95.8 pF/M
Dielectric Strength	AC 1 KV/Minute
Spark Test	2000 V
Nom. Vel. of Prop.	69.5 %
VSWR Test (0~6GHz)	Under 1.3

## Physical Characteristics

Description	Specification
Item	RG-316 (AWG#26)
Rating Temp Voltage	105°C 30V
Bending Radius	15 mm
Recognized	UL 1979
Insulation	Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (232°C x 168H)
	Elongation Unaged Min.75% (232°C x 168H)
Jacket	Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (232°C x 168H)
	Elongation Unaged Min.75% (232°C x 168H)

## Attenuation

Attenuation	10.0 MHz	100 MHz	1.8 GHz	2.4 GHz	5.2 GHz	6.0 GHz
dB/100m	10.2	34.1	180	206	315	345
dB/100ft	3.11	10.40	54.87	62.79	96.02	105.16