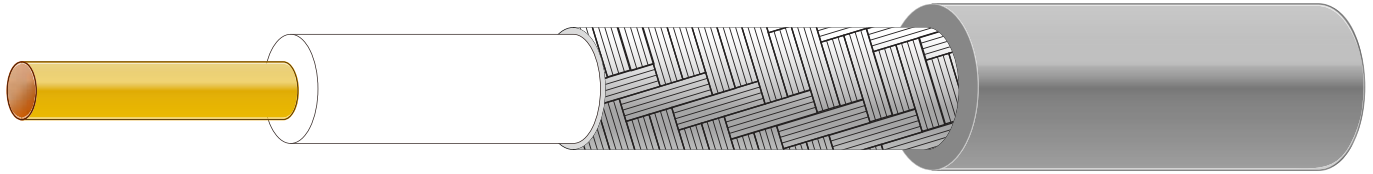
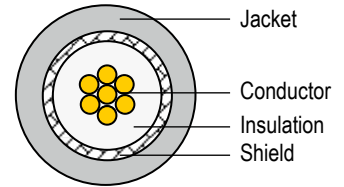


# RG-316 Coaxial Cable

Product No. D3160WS5BS

## Structure Figure



### Conductor

Material  
Silver-Coated Copper  
Clad Steel

Construction  
26AWG (7/0.175mm)

Diameter  
0.53 mm

### Insulation

Material  
FEP

Average Thickness  
0.51 mm

Color  
Clear

Diameter  
 $1.53 \pm 0.03$  mm

### Shield

Material  
Silver-Coated Copper

Construction  
16 / 5 / 0.092 mm

Coverage  
92.3 %

### Jacket

Material  
FEP

Average Thickness  
0.30 mm

Color  
Black

Diameter  
 $2.53 \pm 0.10$  mm

## Electrical Characteristics

Description	Specification
Impedance	$50 \pm 5 \Omega$
Conductor Resistance	281 $\Omega$ /km 20°C Max.
Insulation Resistance	3000 M $\Omega$ /km Min.
Capacitance	95.8 pF/M
Dielectric Strength	AC 1 KV/Minute
Spark Test	2 KV
Nom. Vel. of Prop.	69.5 %
VSWR Test (0~6GHz)	Max 1.3

## Physical Characteristics

Description	Specification
Item	RG-316 (26AWG)
Rating Temp Voltage	105°C 30V
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% (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)

## Attenuation

Attenuation	10 MHz	100 MHz	1.8 GHz	2.4 GHz	5.2 GHz	6 GHz
dB/100m	10.2	34.1	180	206	315	345
dB/100ft	3.11	10.4	54.87	62.79	96.02	103.64