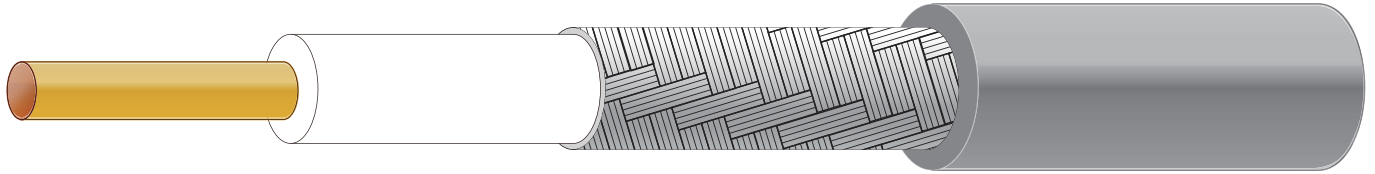
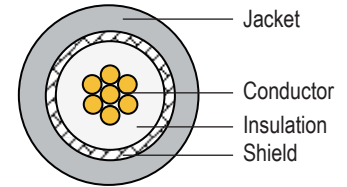


# 1.48mm Coaxial Cable

Product No. D1480WS5BS (Black jacket)

## Structure Figure



### Conductor

Material  
Silver-Coated Copper  
Clad Steel

Construction  
AWG 30(7/0.102mm)

Diameter  
Approx. 0.31 mm

### Insulation

Material  
FEP

Average Thickness  
0.28 mm

Color  
Clear

Diameter  
 $0.86 \pm 0.03$  mm

### Shield

Material  
Silver-Coated Copper

Construction  
16 / 5 / 0.05 mm

Coverage  
91.6 %

### Jacket

Material  
FEP

Average Thickness  
0.21 mm

Color  
Black

Diameter  
 $1.48 \pm 0.05$  mm

## Electrical Characteristics

Description	Specification
Impedance	$50 \pm 5 \Omega$
Conductor Resistance	828 $\Omega$ /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 (0 ~6 GHz)	1.3 Max.

## Physical Characteristics

Description	Specification
Item	1.48mm (AWG#30)
Rating Temp Voltage	105°C 30V
Thermal Shock	Max 1 mm at 232°C/1HR
Minimum Bend Radius	9 mm
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	1 GHz	1.8 GHz	2.4 GHz	5.2 GHz	6.0 GHz
dB/1m	1.8	2.6	2.9	4.5	4.9
dB/1ft	0.55	0.79	0.88	1.37	1.49