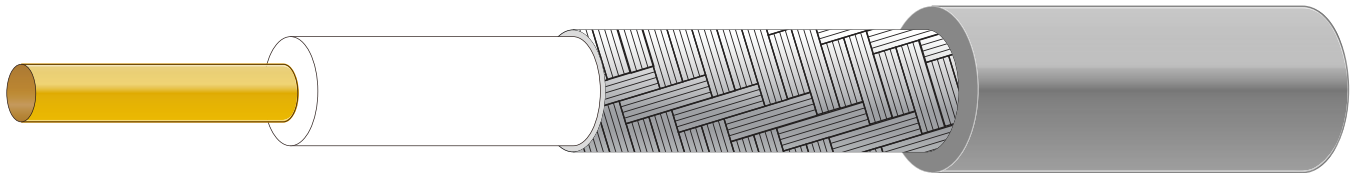
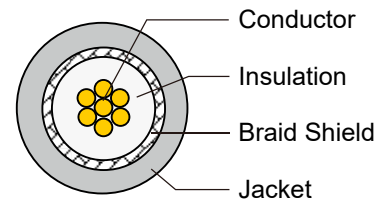


1.48mm Coaxial Cable

7/0.102 UL1979 Product No.D1480115BS (Black Jacket)

Structure Figure



Conductor

Material
Silver Coated Copper
Clad Steel

Construction
AWG 30(7/0.102 mm)

Diameter
Approx. 0.31 mm

Insulation

Material
FEP

Average Thickness
0.28mm

Color
Clear

Diameter
0.86±0.03mm

Shield

Material
Silver-Coated Copper

Construction
16 / 5 / 0.05 mm

Coverage
91.6%

Jacket

Material
FEP

Average Thickness
0.21mm

Color
Black

Diameter
1.48±0.05mm

Electrical Characteristics

Description	Specification
Impedance	50 ±3 Ω
Conductor Resistance	838 Ω/km 20°C Max.
Insulation Resistance	3000MΩ.km Min.
Capacitance	95.8 pF/m
Dielectric Strength	AC 1KV/Minute
Spark Test	2 KV
Nom.Vel. of. Prop.	69.5%
VSWR Test (0~6GHz)	Max. 1.30
Operating Temperature	-60°C~+200°C

Physical Characteristics

Description	Specification
Item	1.48mm(AWG#30)
Rating Temp Voltage	105°C 30V
Thermal Shock	Max 1mm at 232°C/1HR
Minimum Bend Radius	9 mm
Insulation Uaged	Tensile Strength 2500 PSI Min. (1.76 Kg / (mm ²))
	Elongation 200% Min.
Aged	Tensile Strength UNAGED Min.75% (168HRS×232°C)
	Elongation UNAGED Min.75% (168HRS×232°C)
Jacket Uaged	Tensile Strength 2500 PSI Min. (1.76 Kg / (mm ²))
	Elongation 200% Min.
Aged	Tensile Strength UNAGED Min.75% (168HRS×232°C)
	Elongation UNAGED Min.75% (168HRS×232°C)

Attenuation

Frequency(GHz)	1.0 GHz	1.8 GHz	2.4 GHz	5.2 GHz	6 GHz
dB/1m	1.6	2.6	2.9	4.5	4.9
dB/ft	0.55	0.79	0.88	1.37	1.49