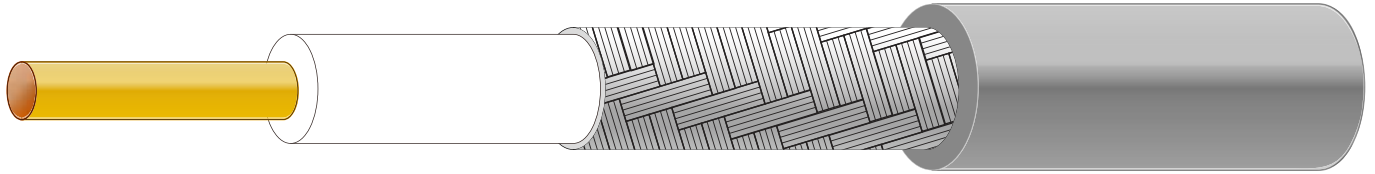
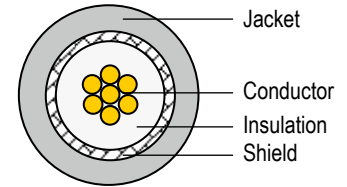


RG-178 Coaxial Cable

Product No. D1780WS5AS (Brown jacket)

Structure Figure



Conductor

 Material
 Silver-Coated Copper
 Clad Steel

 Construction
 30AWG
 (7/0.102 mm)

 Diameter
 0.31 mm

Insulation

 Material
 FEP

 Average Thickness
 0.28 mm

 Color
 Clear

 Diameter
 0.86 ± 0.03 mm

Shield

 Material
 Silver-Coated Copper

 Construction
 16 / 3 / 0.092 mm

 Coverage
 91.8 %

Jacket

 Material
 FEP

 Average Thickness
 0.25 mm

 Color
 Brown

 Diameter
 1.80 ± 0.05 mm

Electrical Characteristics

Description	Specification
Impedance	$50 \pm 5 \Omega$
Conductor Resistance	828 Ω /km 20°C Max.
Insulation Resistance	3000 M Ω /km Min.
Capacitance	95.8 pF/M
Dielectric Strength	AC 1.0 KV/Minute
Spark Test	2.0 KV
Nom. Vel. of Prop.	69.5 %
VSWR (0 ~6 GHz)	1.3 Max.

Physical Characteristics

Description	Specification
Item	RG-178 (30AWG)
Rating Temp Voltage	-55°C ~ +200°C 30V
Thermal Shock	Max 1 mm at 232°C/1HR
Minimum Bend Radius	9.0 mm
Insulation	Unaged 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	Unaged 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

Attenuation	1 GHz	1.8 GHz	2.4 GHz	5.2 GHz	6 GHz
dB/1m	1.8	2.6	2.9	4.5	4.9
dB/1ft	0.55	0.8	0.89	1.38	1.5