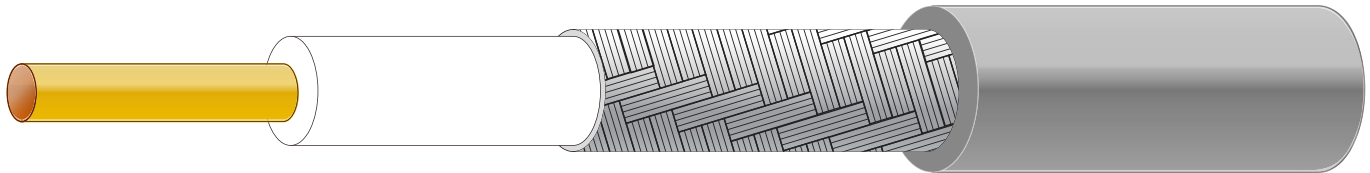
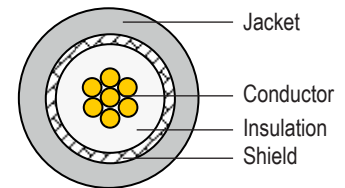


RG-178 Coaxial Cable, tinned shielding

Product No. D1780115AT (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
Tinned Copper

 Construction
16 / 3 / 0.10 mm

 Coverage
95 %

Jacket

 Material
FEP

 Color
According to customer

 Thickness
0.25 mm

 Diameter
1.80 ± 0.05 mm

Electrical Characteristics

Description	Specification
Impedance	50 ± 3 Ω
Conductor Resistance	838 Ω/km 20°C Max.
Insulation Resistance	3000 MΩ/km Min.
Capacitance	96 ± 3 pF/M
Dielectric Strength	AC 500V/Minute
Spark Test	1 KV
Nom. Vel. of Prop.	69 %
VSWR (0~6 GHz)	1.35 Max.
VSWR (0~8 GHz)	1.45 Max.
Flame Test	VW-1 OK

Physical Characteristics

Description	Specification		
Item	RG-178 (30AWG)		
Rating Temp Voltage	105°C 30V		
Minimum Bend Radius	8.0 mm		
Recognized	UL 1979		
Insulation	Unaged	Tensile Strength	2500 PSI Min. (1.76 Kg / mm ²)
		Elongation	200% Min.
	Aged	Tensile Strength	Unaged Min.75% (232°C×168H)
		Elongation	Unaged Min.75% (232°C×168H)
Jacket	Unaged	Tensile Strength	2500 PSI Min. (1.76 Kg / mm ²)
		Elongation	200% Min.
	Aged	Tensile Strength	Unaged Min.75% (232°C×168H)
		Elongation	Unaged Min.75% (232°C×168H)
Operation Temperature	-40°C~200°C		
Storage Temperature	-40°C~200°C		

Attenuation

Attenuation	1 GHz	1.8 GHz	2.4 GHz	5.2 GHz	6 GHz	7 GHz	8 GHz
dB/1m	1.8	2.6	2.9	4.5	4.9	5.4	5.77
dB/1ft	0.55	0.8	0.89	1.38	1.5	1.6	1.8

NOTE: Maximum value shall be not exceeded 115% of the nominal value