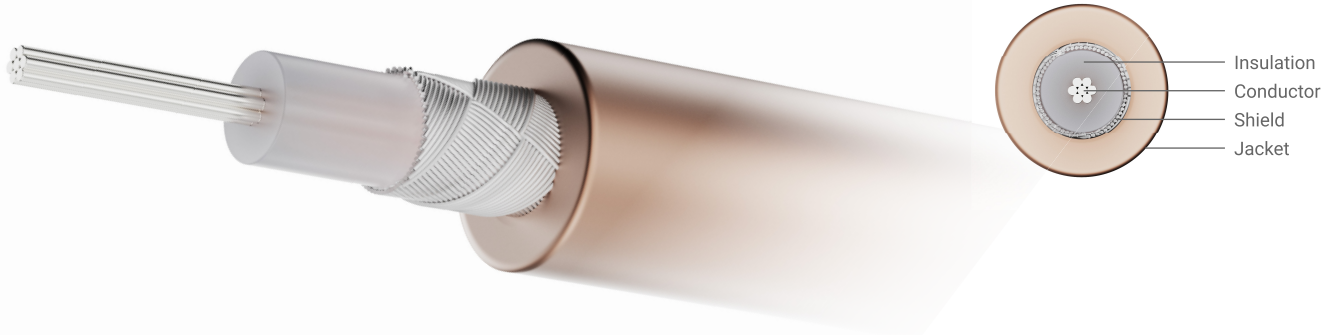


RG-178 Coaxial Cable

Product Specification



Conductor	Insulation	Shield	Jacket
Material Silver Coated Copper Clad Steel Constructure 30AWG (7/0.102mm) Diameter 0.31mm	Material FEP Color Clear Thickness 0.28mm Diameter 0.86 ± 0.03mm	Material Silver-Coated Copper Construction 16 / 3 / 0.092mm Coverage 91%	Material FEP Color Brown Thickness 0.25mm Diameter 1.80 ± 0.05mm

Electrical Properties

Description	Specification
Impedance	50 ± 3 Ω
Conductor Resistance	345 Ω/km 20°C Max
Insulation Resistance	3000 MΩ/km Min
Capacitance	96±3 pF/m
Dielectric Strength	AC 500V/Minute
Spark Test	1KV
Nom.Vel. of. Prop.	69%
VSWR Test (0~6GHz)	Max 1.35
VSWR Test (6~8GHz)	Max 1.45
Flame Test	VW-1 OK

Physical Properties

Description	Specification		
Item	RG-178(30AWG)		
Rating Temp Voltage	105°C 30V		
Minimum Bend Radius	8.0mm		
Recognized	UL1979		
Insulation	Unaged	Tensile Strength	2500PSI Min. (1.76 Kg / (mm ²))
	Aged	Elongation	200% Min.
		Tensile Strength	UNAGED Min.75% (168HRSx232°C)
	Jacket	Unaged	Elongation
Tensile Strength			2500PSI Min. (1.76 Kg / (mm ²))
Aged		Elongation	200% Min.
		Tensile Strength	UNAGED Min.75% (168HRSx232°C)
Operation Temperature	-40°C ~ 200°C		
Storage Temperature	-40°C ~ 200°C		

Attenuation

Frequency (GHz)	1	1.8	2.4	5.2	6.0	7.0	8.0
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.

Disclaimer: The image shown is for illustration purposes only and may not be an exact representation of the product.