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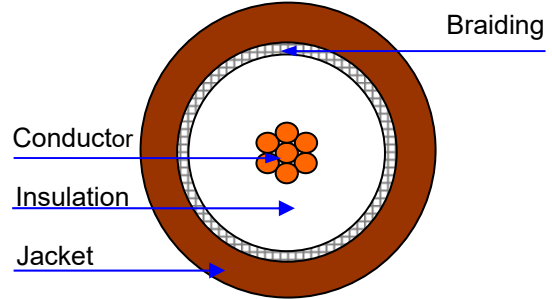
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SPECIFICATION

NO. : S08-0758-1.1

CONSTRUCTION DIAGRAM

Part no.		
Name		Coaxial Cable
Style		RG-178BU
Customer		
CONSTRUCTION		
Conductor	AWG	30
	Structure	7/0.102±0.003 mm
	O.D.	0.31 mm
	Material	Silver-Coated copper Clad Steel
Insulation	Thickness	0.28mm(Average)
	O.D.	0.86±0.03mm
	Material	FEP (Clear)
Shield	Braiding	48/0.1mm Silver-Coated Copper, 95%
Jacket	Thickness	0.25mm(Average)
	O.D.	1.8±0.06mm
	Material	FEP
	Color	Brown
	Marking	



CHARACTERISTICS

Item	Specification	
Rating Temp Voltage	-60 ~ 200°C, 30V	
Conductor Resistance (20°C)	838 Ohm/km Max.	
Insulation Resistance (20°C)	3000 Mega Ohm-km Min.	
Dielectric Strength	AC 1.0 kv/min.	
Spark Test	2.5KV	
Tensile Strength (Unaged) (Insulation and Jacket)	2500 PSI(1.76kgf/mm ²) Min.	
Elongation (Unaged) (Insulation and Jacket)	200% Min.	
Tensile Strength (Aged) (Insulation and Jacket)	Unaged Min. 75% (168hr.×232°C)	
Elongation (Aged) (Insulation and Jacket)	Unaged Min. 75% (168hr.×232°C)	
Flame Resistance	VW-1	
Nominal Impedance	50±3 Ω	
Nominal Capacitance	95.8±3 pF/M	
Nominal Velocity of prop.	69.5 %	
VSWR Test (0 – 6GHz)	Less 1.3	
Bending Radius (min.)	6 times x O.D.	
Attenuation (dB/1M) (20°C)	1 GHz	1.7
	2 GHz	2.5
	3 GHz	3.2
	4 GHz	3.6
	5 GHz	3.95
	6 GHz	4.8

Comply with UL Standard

Approval: Josh Tsai

Review: Z.J. Huang

Tabulation: Adam 2021.09.22