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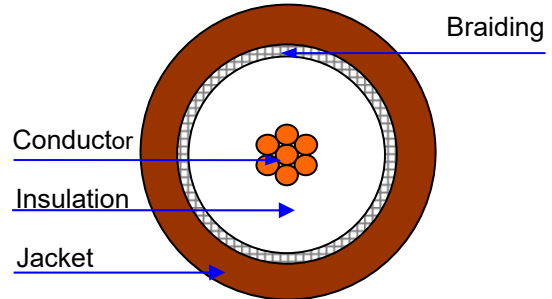
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SPECIFICATION

NO. : S08-0969-1.0

CONSTRUCTION DIAGRAM

Part no.		
Name		Coaxial Cable
Style		RG-316/U
Customer		
CONSTRUCTION		
Conductor	AWG	26
	Structure	7/0.175±0.008 mm
	O.D.	0.31 mm
	Material	Silver-Coated copper Clad Steel
Insulation	Thickness	0.51 mm(Average)
	O.D.	1.53±0.03 mm
	Material	FEP (Clear)
Shield	Braiding	80/0.1mm Silver-Coated Copper, 95%
Jacket	Thickness	0.3 mm(Average)
	O.D.	2.53±0.1 mm
	Material	FEP
	Color	Brown
	Marking	



CHARACTERISTICS

Item	Specification	
Rating Temp Voltage	-60 ~ 200°C, 30V	
Conductor Resistance (20°C)	302 Ohm/km Max.	
Insulation Resistance (20°C)	3000 Mega Ohm-km Min.	
Dielectric Strength	AC 1.0 kv/min.	
Spark Test	5 KV	
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.	69.0 %	
VSWR Test (0 – 6GHz)	Less 1.3	
Bending Radius (min.)	6 times x O.D.	
Attenuation (dB/1M) (20°C)	1.0 GHz	1.25
	1.8 GHz	1.51
	2.4 GHz	1.71
	3.0 GHz	1.92
	5.2 GHz	3.15
	6.0 GHz	3.44

Comply with UL Standard

Approval: Josh Tsai

Review: Z.J. Huang

Tabulation: Adam 2021.10.20