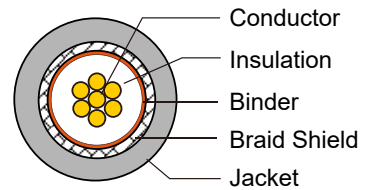


1.13mm Low Loss Coaxial Cable

Product No. D113L115GT (Gray jacket)
D113L115BT (Black jacket)

Structure Figure



Conductor

Material
Silver Coated Copper

Construction
7/0.085 mm

Diameter
0.26mm

Insulation

Material
FEP

Color
Clear

Thickness
0.22mm

Diameter
0.70±0.05mm

Binder

Material
Cu-PET Tape

Braid Shield

Material
Tinned Copper wire

Construction
16 / 4 / 0.050 mm

Coverage
85 %

Jacket

Material
FEP

Color
According to custom (MOQ 3K meters)

Thickness
0.10 mm

Diameter
1.13±0.05mm(AWG#32)

Electrical Characteristics

Description	Specification
Impedance	50 ±3 Ω
Conductor Resistance	482 Ω/km 20°C Max.
Insulation Resistance	3000MΩ.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 Characteristics

Description	Specification		
Item	1.13mm(AWG#32)		
Rating Temp Voltage	105°C 30V		
Minimum Bend Radius	5.0mm min		
Recognized	UL1979		
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)
Operating Temperature	-40°C~200°C		
Storage Temperature	-40°C~200°C		

Attenuation

Frequency(GHz)	100 MHz	400 MHz	800 MHz	1.0 GHz	2.4 GHz
dB/1m	1.0	1.21	1.64	1.80	2.66
dB/ft	0.31	0.37	0.50	0.55	0.81

Frequency(GHz)	5.0 GHz	5.8 GHz	6 GHz	7.2 GHz	8 GHz
dB/1m	3.87	4.25	4.31	4.73	5.14
dB/ft	1.18	1.30	1.31	1.44	1.57

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