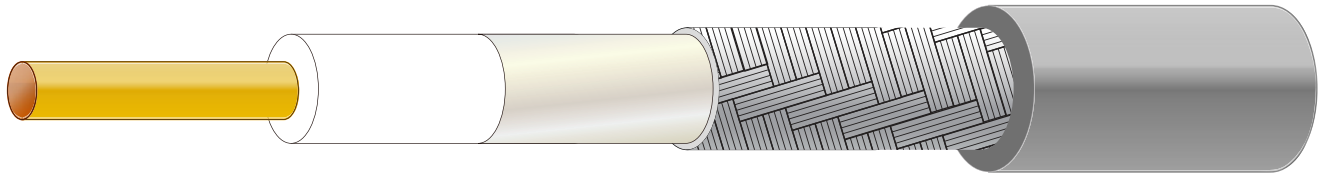
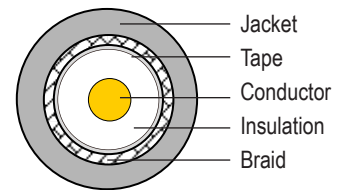


1.37mm Low Loss coaxial cable

Product No. D137L115BT (Black jacket)
D137L115GT (Gray jacket)

Structure Figure



Conductor

Material
Silver Cover Copper

Construction
7(0.102 mm)

Diameter
0.31 mm

Insulation

Material
FEP

Thickness
0.29mm

Color
Clear

Diameter
0.89±0.03mm

Tape

Material
Cu-PET Tape

Braid Shield

Material
Tinned Copper

Construction
16 / 6 / 0.050 mm

Coverage
95%

Jacket

Material
FEP

Color
According to custom

Thickness
0.12 mm

Diameter
1.37±0.05 mm(AWG#30)

Electrical Characteristics

Description	Specification
Impedance	50 ±3 Ω (TDR)
Conductor Resistance	335 Ω/km 20°C Max.
Insulation Resistance	3000MΩ/km Min.
Capacitance	96±3 pF/m
Dielectric Strength	AC 500V/Minute
Spark Test	1 KV
Nom.Vel. of. Prop.	69%
VSWR Test (0~6GHz)	1.35 Max.
VSWR Test (6~8GHz)	1.45 Max.
Flame Test	VW-1 OK

Physical Characteristics

Description	Specification		
Item	1.37mm (30AWG)		
Rating Temp Voltage	105°C 30V		
Minimum Bend Radius	6.0 mm		
Recognized	UL 1979		
Insulation	Uaged	Tensile Strength	2500 PSI Min. (1.76 Kg / (mm ²))
		Elongation	200% Min.
	Aged	Tensile Strength	UNAGED Min.75% (232°Cx168H)
		Elongation	UNAGED Min.75% (232°Cx168H)
Jacket	Uaged	Tensile Strength	2500 PSI Min. (1.76 Kg / (mm ²))
		Elongation	200% Min.
	Aged	Tensile Strength	UNAGED Min.75% (232°Cx168H)
		Elongation	UNAGED Min.75% (232°Cx168H)
Operation Temperature	-40°C~200°C		
Storage Temperature	-40°C~200°C		

Attenuation

Frequency(GHz)	1.0 GHz	2.0 GHz	2.45 GHz	3.0 GHz	4.0 GHz	5 GHz	5.2 GHz	5.8GHz	6.0 GHz	7.2 GHz	8.0GHz
dB/1m	1.60	2.10	2.35	2.60	3.00	3.40	3.50	3.60	3.70	4.10	4.41
dB/ft	0.45	0.64	0.72	0.79	0.91	1.04	1.07	1.10	1.13	1.25	1.34