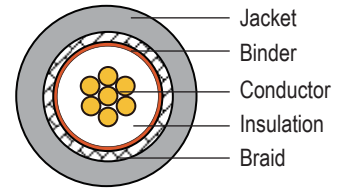
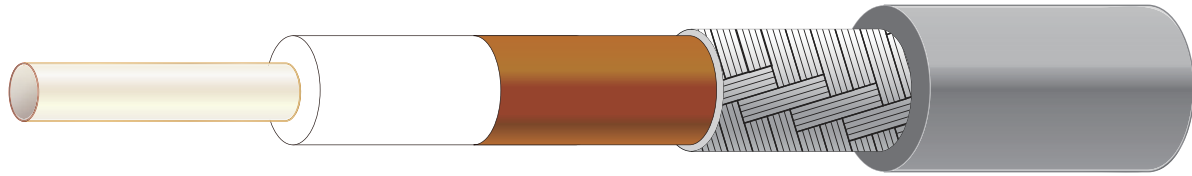


# 1.13mm Low Loss Coaxial Cable

Product No. D113LWS5BT



## Structure Figure



Conductor	Insulation	Binder	Braid Shield	Jacket
<b>Material</b> Silver Cover Copper	<b>Material</b> FEP	<b>Material</b> Cu-PET Tape	<b>Material</b> Tinned Copper wire	<b>Material</b> FEP
<b>Construction</b> 32AWG(7 / 0.085 mm)	<b>Color</b> Clear		<b>Construction</b> 16 / 4 / 0.050 mm	<b>Color</b> Black
<b>Diameter</b> 0.22 mm	<b>Thickness</b> 0.20 mm			<b>Thickness</b> 0.10 mm
	<b>Diameter</b> 0.70 ± 0.02 mm			<b>Diameter</b> 1.13 ± 0.05 mm

## Electrical Characteristics

Description	Specification
Impedance	50±3 Ω
Conductor Resistance	545 Ω/km 20°C Max.
Insulation Resistance	1000 MΩ/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)	Max 1.30
VSWR Test (6~8GHz)	Max 1.45
Flame Test	VW-1 OK

## Physical Characteristics

Description	Specification
Item	1.13mm (32AWG)
Rating Temp Voltage	105°C 30V
Minimum Bend Radius	4.5mm
Insulation	Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (168HRS×232°C)
	Elongation Unaged Min.75% (168HRS×232°C)
Jack	Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm <sup>2</sup> )
	Elongation 200% Min.
Aged	Tensile Strength Unaged Min.75% (168HRS×232°C)
	Elongation Unaged Min.75% (168HRS×232°C)

## Attenuation

Attenuation	1.0 GHz	2.0 GHz	2.4 GHz	6.0 GHz	8.0 GHz
dB/1m	1.6	2.2	2.5	4.2	5.1
dB/1ft	0.48	0.66	0.75	1.26	1.53