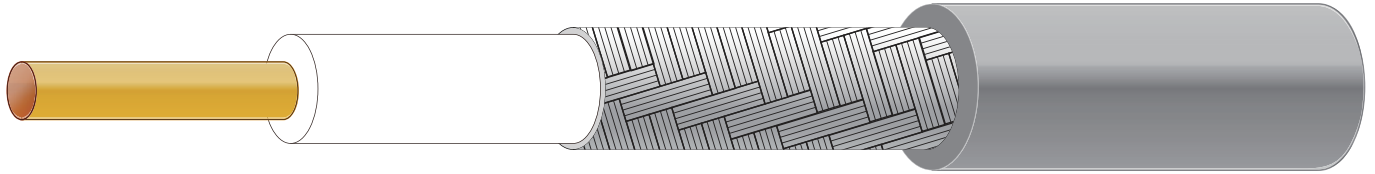
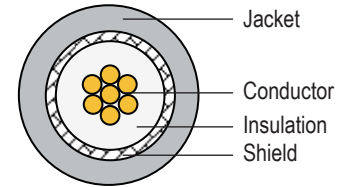


# 0.81mm Mini Coaxial Cable

Product No. D0810WS5GT

## Structure Figure



### Conductor

Material  
Silver-Coated Copper

Construction  
36AWG (7/0.05 mm)

Diameter  
0.15 +0.009, -0.02 mm

### Insulation

Material  
Perfluoroalkoxy(PFA)

Average Thickness  
0.125 mm

Color  
Clear

Diameter  
0.40 +0.04, -0.02 mm

### Shield

Material  
Tinned-Coated Copper

Construction  
16 / 3 / 0.05 mm

Coverage  
85 %

Diameter  
0.65 mm

### Jacket

Material  
Perfluoroalkoxy(PFA)

Average Thickness  
0.08 mm

Color  
Gray

Diameter  
0.81 +0.04, -0.02 mm

## Electrical Characteristics

Description	Specification
Impedance	50 ± 3 Ω
Conductor Resistance	Max. 1400 Ω/km
Insulation Resistance	Min. 1000 MΩ/km
Capacitance	96 pF/M
Dielectric Strength	AC 1000 V/Minute
Spark Test	5 KV
Wavelength compaction ratio	70 %

## Physical Characteristics

Description	Specification
Item	0.81mm (36AWG)
Rating Temp Voltage	90°C 30V
Recognized	UL 1637
Operating Temperature	-40°C ~ +150°C
Minimum Bend Radius	Min. 4 x 0.81 mm

## Attenuation

Attenuation	1 GHz	2 GHz	2.4 GHz	2.5 GHz	3 GHz	4 GHz	5 GHz	6 GHz
dB/m	3.0	4.4	4.9	5.0	5.5	6.5	7.5	8.5
dB/ft	0.92	1.34	1.49	1.56	1.68	1.98	2.29	2.59