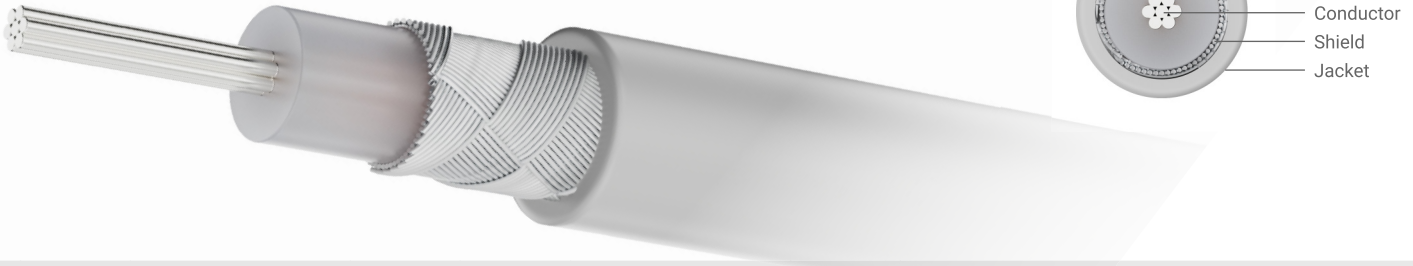


# 1.37mm Coaxial Cable

## Product Specification

Available colors: (Black jacket) (Blue jacket)  
 (Gray jacket) (Yellow jacket)  
 (White jacket) (Orange jacket)  
 (Brown jacket) (Green jacket)  
 (Red jacket)



| Conductor  | Insulation  | Shield  | Jacket  |
|--|---|---|---|
| <b>Material</b><br>Silver Coated Copper<br><b>Constructure</b><br>30AWG (7/0.107mm)<br><b>Diameter</b><br>0.32mm | <b>Material</b><br>FEP<br><b>Color</b><br>Clear<br><b>Thickness</b><br>0.30mm<br><b>Diameter</b><br>0.92 ± 0.03mm | <b>Material</b><br>Tinned Copper<br><b>Construction</b><br>16 / 6 / 0.050mm<br><b>Coverage</b><br>96% | <b>Material</b><br>FEP<br><b>Color</b><br>According to custom<br><b>Thickness</b><br>0.13mm<br><b>Diameter</b><br>1.37 ± 0.05mm |

## Electrical Properties

| Description           | Specification     |
|-----------------------|-------------------|
| Impedance             | 50 ± 3 Ω          |
| Conductor Resistance  | 314 Ω/km 20°C Max |
| Insulation Resistance | 3000 MΩ/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 Properties

| Description           | Specification |                  |  |
|-----------------------|---------------|------------------|--|
| Item                  | 1.37mm(30AWG) |                  |  |
| Rating Temp Voltage   | 105°C 30V     |                  |  |
| Minimum Bend Radius   | 6mm           |                  |  |
| Recognized            | UL 1979       |                  |  |
| Insulation            | Unaged        | Tensile Strength | 2500PSI Min.<br>(1.76 Kg / (mm <sup>2</sup> )) |
|                       |               | Elongation       | 200% Min.                                      |
|                       | Aged          | Tensile Strength | UNAGED Min.75%<br>(168HRSx232°C)               |
|                       |               | Elongation       | UNAGED Min.75%<br>(168HRSx232°C)               |
| Jacket                | Unaged        | Tensile Strength | 2500PSI Min.<br>(1.76 Kg / (mm <sup>2</sup> )) |
|                       |               | Elongation       | 200% Min.                                      |
|                       | Aged          | Tensile Strength | UNAGED Min.75%<br>(168HRSx232°C)               |
|                       |               | Elongation       | UNAGED Min.75%<br>(168HRSx232°C)               |
| Operation Temperature | -40°C ~ 200°C |                  |  |
| Storage Temperature   | -40°C ~ 200°C |                  |  |

## Attenuation

| Frequency (GHz) | 1    | 2    | 2.4  | 2.5  | 5.15 | 5.35 | 6.0  | 7.2  | 8.0  |
|-----------------|------|------|------|------|------|------|------|------|------|
| dB/1m           | 1.6  | 2.3  | 2.5  | 2.6  | 3.9  | 4.0  | 4.3  | 5.3  | 5.8  |
| dB/ft           | 0.49 | 0.71 | 0.77 | 0.80 | 1.19 | 1.22 | 1.32 | 1.62 | 1.77 |

**Note:** Maximum value shall be not exceeded 115% of the nominal value.

**Disclaimer:** The image shown is for illustration purposes only and may not be an exact representation of the product.