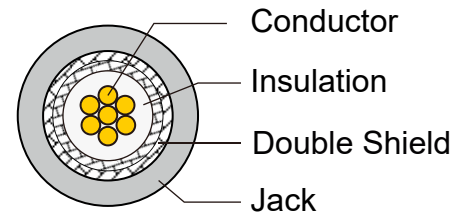
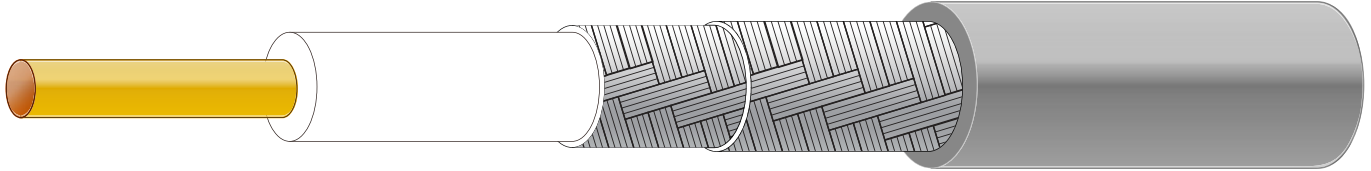


RG316 Double Braid Coaxial Cable

Product No. D316D115AS (Brown jacket)



Structure Figure



Conductor

Material
Silver-Coated Copper
Clad steel

Structure
26 AWG (7/0.175 mm)

Diameter
0.53 mm

Insulation

Material
FEP

Average Thickness
0.51 mm

Color
Clear

Diameter
1.53 ± 0.03 mm

Braid Shield 1

Material
Silver-Coated Copper

Construction
16 / 5 / 0.092 mm

Coverage
92 %

Braid Shield 2

Material
Silver-Coated Copper

Construction
16 / 5 / 0.092 mm

Coverage
84 %

Jacket

Material
FEP

Color
Brown

Average Thickness
0.30 mm

Diameter
2.93 ± 0.10 mm

Electrical Characteristics

| Description | Specification |
|-----------------------|--------------------|
| Impedance | 50 ± 3 Ω |
| Conductor Resistance | 281 Ω/km/20°C Max. |
| Insulation Resistance | 3000 MΩ/km Min. |
| Capacitance | 96 ± 3 pF/M |
| Dielectric Strength | AC 500V/Minute |
| Spark Test | 1 KV |
| Nom.Vel. of Prop. | 69 % |
| VSWR (0~6 GHz) | 1.35 Max. |
| VSWR (6~8 GHz) | 1.45 Max. |
| Flame Test | VW-1 OK |

Physical Characteristics

| Description | Specification | |
|-----------------------|------------------|---|
| Item | RG316 (26AWG) | |
| Rating Temp Voltage | 105°C 30V | |
| Minimum Bend Radius | 12 mm | |
| Insulation Unaged | Tensile Strength | 2500 PSI Min. (1.76 Kg / mm ²) |
| | Elongation | 200% Min. |
| Aged | Tensile Strength | Unaged Min.75% (232°C×168HRS) |
| | Elongation | Unaged Min.75% (232°C×168HRS) |
| Jacket Unaged | Tensile Strength | 2500 PSI Min. (1.76 Kg / mm ²) |
| | Elongation | 200% Min. |
| Aged | Tensile Strength | Unaged Min.75% (232°C×168HRS) |
| | Elongation | Unaged Min.75% (232°C×168HRS) |
| Operation Temperature | -40°C~200°C | |
| Storage Temperature | -40°C~200°C | |

Attenuation

| Attenuation | 0.1 GHz | 2.0 GHz | 4.0 GHz | 6.0GHz | 7.2 GHz | 8.0 GHz |
|-------------|---------|---------|---------|--------|---------|---------|
| dB/1m | 0.34 | 1.40 | 2.05 | 2.63 | 3.09 | 3.19 |
| dB/1ft | 0.10 | 0.43 | 0.63 | 0.80 | 0.94 | 0.97 |

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