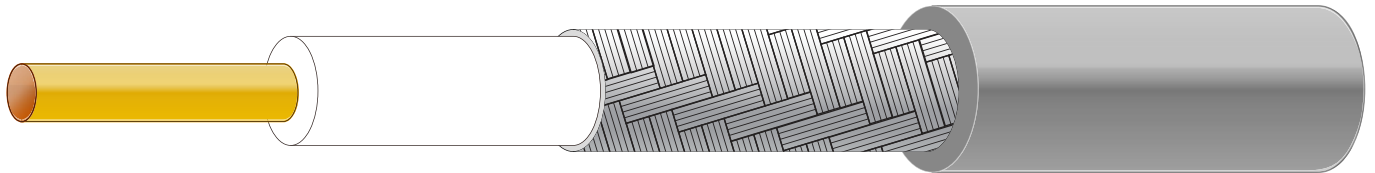
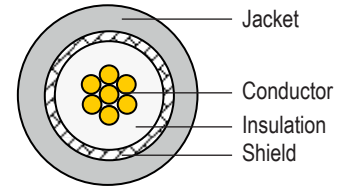




RG-316 Coaxial Cable

Product No. D3160115AS (Brown jacket)

Structure Figure



Conductor

Material
Silver-Coated Copper
Clad Steel

Construction
26AWG (7/0.175 mm)

Diameter
0.53 mm

Insulation

Material
FEP

Average Thickness
0.51 mm

Color
Clear

Diameter
1.53± 0.03 mm

Shield

Material
Silver-Coated Copper

Construction
16 / 5 / 0.092 mm

Coverage
92 %

Jacket

Material
FEP

Color
Brown

Thickness
0.30 mm

Diameter
2.53 ± 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 | RG-316 (26AWG) | |
| Rating Temp Voltage | 105°C 30V | |
| Minimum Bend Radius | 11 mm | |
| Recognized | UL 1979 | |
| 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 | 1.8 GHz | 2.4 GHz | 5.2 GHz | 6 GHz | 7.2 GHz | 8 GHz |
|-------------|---------|---------|---------|---------|-------|---------|-------|
| dB/1m | 0.34 | 1.80 | 2.06 | 3.15 | 3.45 | 3.63 | 4.06 |
| dB/1ft | 0.10 | 0.55 | 0.63 | 0.96 | 1.05 | 1.11 | 1.24 |

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