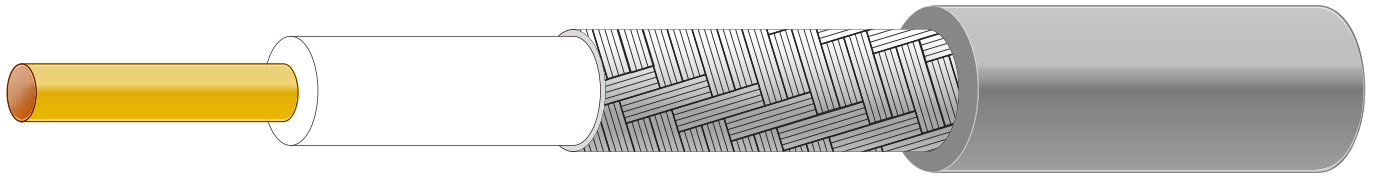
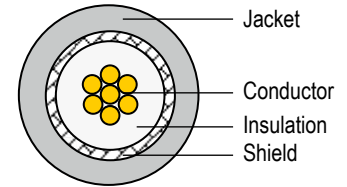


RG-316 Coaxial Cable

Product No. D3160WS5AS

Structure Figure



Conductor

Material
Silver-Coated Copper
Clad Steel

Construction
AWG 26(7/0.175mm)

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
92.3 %

Jacket

Material
FEP

Average Thickness
0.30 mm

Color
Brown

Diameter
 2.53 ± 0.10 mm

Electrical Characteristics

| Description | Specification |
|-----------------------|----------------------------|
| Impedance | $50 \pm 5 \Omega$ |
| Conductor Resistance | 281 Ω /km 20°C Max. |
| Insulation Resistance | 3000 M Ω /km Min. |
| Capacitance | 95.8 pF/M |
| Dielectric Strength | AC 1 KV/Minute |
| Spark Test | 2 KV |
| Nom. Vel. of Prop. | 69.5 % |
| VSWR Test (0~6GHz) | Max 1.3 |

Physical Characteristics

| Description | Specification |
|---------------------|--|
| Item | RG-316 (AWG#26) |
| Rating Temp Voltage | 105°C 30V |
| Recognized | UL 1979 |
| Insulation | Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm ²) |
| | Elongation 200% Min. |
| Aged | Tensile Strength Unaged Min.75% (168HRS×232°C) |
| | Elongation Unaged Min.75% (168HRS×232°C) |
| Jacket | Unaged Tensile Strength 2500 PSI Min. (1.76 Kg / mm ²) |
| | Elongation 200% Min. |
| Aged | Tensile Strength Unaged Min.75% (168HRS×232°C) |
| | Elongation Unaged Min.75% (168HRS×232°C) |

Attenuation

| Attenuation | 10 MHz | 100 MHz | 1.8 GHz | 2.4 GHz | 5.2 GHz | 6 GHz |
|-------------|--------|---------|---------|---------|---------|--------|
| dB/100m | 10.2 | 34.1 | 180 | 206 | 315 | 345 |
| dB/100ft | 3.11 | 10.4 | 54.87 | 62.79 | 96.02 | 103.64 |