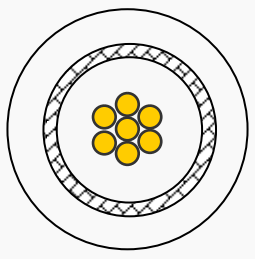


Specification for **RG-178B/U**

STYLE: RG-178B/U
 SIZE: 7/0.102 SCCS
 RECOGNIZED: UL1979

STANDARD

| | | | | |
|------------|-------------------|-----|---------------------------------|---|
| Conductor | Size | AWG | 30 | <div data-bbox="1220 616 1388 660" data-label="Section-Header"> <h4>Drawing</h4> </div>  |
| | Material | --- | Sliver-Coated Copper Clad Steel | |
| | Conductors No. | --- | 7 | |
| | Conductors Size | mm | 0.102 | |
| | O.D. | mm | 0.31 | |
| Insulation | Average Thickness | mm | 0.28 ± 0.03 | |
| | Diameter | mm | 0.86 ± 0.03 | |
| | Material | --- | FEP | |
| | Color | --- | Clear | |
| Braid | Material | --- | Silver-Coated Copper | |
| | Construction | mm | 16 / 3 / 0.092 | |
| | Coverage | % | 91.8 | |
| Jacket | Average Thickness | mm | 0.25±0.025 | |
| | Diameter | mm | 1.80 ±0.05 | |
| | Material | --- | FEP | |
| | Color | --- | According to customer | |
| Marking | NON | | | |

Electrical & Physical Properties

| | | | |
|-----------------------|------------------------|------------------|---|
| Item | RG-178B/U | | |
| Rating Temperature | -55°C ~ +200°C | | |
| Conductor Resistance | 345 OHM/KM/20°C MAX. | | |
| Insulation Resistance | 3000 MEGA OHM/KM MIN. | | |
| Dielectric Strength | AC 1.0 KV/Minute | | |
| Spark Test | 2 KV | | |
| Insulation | Unaged | Tensile Strength | 2500 PSI MIN.(1.76 Kg / m 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 / m ²) |
| | | Elongation | 200% MIN. |
| | Aged | Tensile Strength | UNAGED MIN. 75%(168HRS×232°C) |
| | | Elongation | UNAGED MIN. 75%(168HRS×232°C) |
| Nom. Impedance | 50±3 Ohms | | |
| Nom. Capacitance | 95.8 pF/m | | |
| Nom. Vel. of Prop. | 69.5% | | |
| VSWR Test(0 – 6 GHZ) | Max 1.3 | | |
| THERMAL SHOCK | Max 1mm at 232°C / 1HR | | |
| BEND RADIUS | Min 9mm | | |

| | | | | | |
|--------------------------|------|--------|--------|--------|------|
| Attenuation (dB/100m) | 1GHz | 1.8GHz | 2.4GHz | 5.2GHz | 6GHz |
| | 180 | 260 | 290 | 450 | 490 |