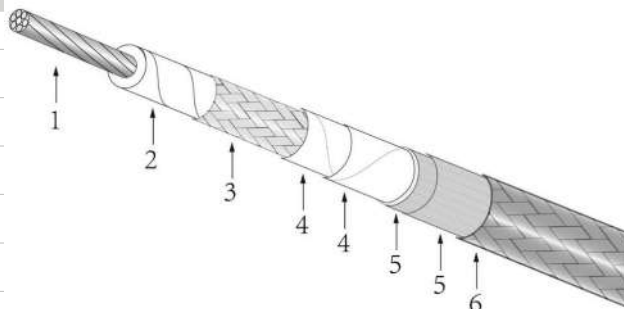


RG 166

M17 Part Number: M17/65-RG166

Cable Construction

| Item | Description | Diameter | |
|------|-----------------|---|-------|
| 1 | Inner Conductor | Silver Plated Copper Clad Steel Stranded | 2.39 |
| 2 | Dielectric | Taped PTFE | 7.24 |
| 3 | Outer Conductor | Single Braid of Silver Plated Copper Wire | 7.98 |
| 4 | Barrier Tapes | PTFE Tape | — |
| 5 | Jacket | Fiberglass Braid | 10.4 |
| 6 | Amor | Braid of Aluminum-Alloy Wire | 11.94 |



Electrical Cable Characteristic

| | |
|-------------------------|-----------|
| Impedance | 50 Ohm |
| Operating Frequency | 3 GHz |
| Capacitance | 95.1 pF/m |
| Velocity of Propagation | 69.5% |
| Max. Operating Volatage | 5000 VRMS |

Mechanical Cable Characteristic

| | |
|------------------------------|---------------|
| Temperature Range | -55 ~ +250 °C |
| Min. Bending Radius - Static | — |
| Weight | 281 g/m |
| RoHS Compliant | Yes |

Cable Attenuation & Power

| Frequency (GHz) | Attenuation (dB/m) | Power (W) |
|-----------------|--------------------|------------|
| 0.100 | 0.063 | 6100 |
| 0.400 | 0.135 | 2700 |
| 1.000 | 0.230 | 1400 |
| 3.000 | 0.446 | 800 |
| 5.000 | — | — |
| 12.400 | — | — |