

### Technical Specification

**Cable Type: MIL-DTL-17 M17/6-RG11B/u CCA**

**Western Wire Part Number: WRG01109**

**Revision: 07/13 Date: 11 March 2013**



### Physical Description

75 Ohm coaxial cable, type MIL-DTL-17 M17/6-RG11B/u with CCA braid. Frequency operation range: up to 1 GHz. Voltage rating: 3700 V max. Temperature operating range: -20 to +80 Celsius.

Inner Conductor	Stranded 7x0.404 mm, 1.21±0.05 mm OD, 18# Tinned copper (TC), 20% min. elongation.
Dielectric	Solid LDPE, 7.24 ± 0.15 mm OD
Outer Conductor	Single braid made of Copper-Clad Aluminum (CCA).
Braid construction	24x7x0.16 mm nom. 89% min. coverage. 8.63mm max. OD.
Outer Jacket	FR-PVC compound, colored Black (RAL 9005)
Overall Diameter	10.3±0.15 mm
Surface Marking	WESTERN WIRE WRG01109 TYPE MIL-DTL-17 M17/6-RG11B/u CCA FSHC FR IEC 60332-1 COAXIAL CABLE CE 2011/65/EU (RoHS) [Month, Year] [Batch Number]

### Mechanical Properties

Minimum Bend Radius	200 mm
Storage Temperature	-20 to +80C
Operating temperature	-10 to +80C
Flame Test	IEC 60332-1
Total Weight	105 Kg/Km nom.

### Electrical Properties

Characteristic Impedance	75±3 Ohm
Capacitance	67.3 pF/m max. @ 1 KHz
Velocity of Propagation	66% nom. 65% min.
DC Resistance of inner conductor	25.0 Ohm /Km max. @ 20C
DC Resistance of outer conductor	15.0 Ohm /Km max. @ 20C
Continuous working voltage	3.7KV rms max. @ 20C
Dielectric strength	10KV rms min.
Jacket spark-test	5KV rms min.
Corona Extinction	5KV min.
SRL	NS

Frequency MHz	Attenuation dB/100m	Frequency MHz	Attenuation dB/100m
1	0.6 nom.	400	14.6 nom. 17.0 Max.
10	2.2 nom.	700	20.5 nom.
50	4.5 nom.	900	23.4 nom.
100	6.6 nom.	1000	25.7 nom. 30.8 Max.

This cable fully conforms to EU Directive 2011/65/EU (RoHS)