

### Technical Specification

**Cable Type: MIL-C-17F RG-174/u 50 Ohm Coaxial Cable**

**Western Wire Part Number: WRG17400**

**Revision: 03/02 Date: 30 December 2002**



### Physical Description

Inner Conductor	Stranded 7x0.16mm Copper Covered Steel (CCS), 0.48mm OD, 26#
Dielectric	Solid LDPE, 1.52 mm OD
Outer Conductor	Single tinned copper (TC) braid, 95% coverage
Outer Jacket	UV resistant NC PVC compound, colored Black (RAL 9005)
Overall Diameter	2.54 mm nom.
Surface Marking	WESTERN WIRE WRG17400 MIL-C-17F RG-174/u FSHC FR UL 1581 VW-1 COAXIAL CABLE [Month, Year]

### Mechanical Properties

Minimum Bend Radius	50 mm
Storage Temperature	-40 to +80C
Operating temperature	-30 to +80C
Flame Test	UL 1581 VW-1
Total Weight	12 Kg/Km nom.

### Electrical Properties @ 20C

Characteristic Impedance	50 ± 2 Ohm
Capacitance	101 pF/m nom. @ 1 KHz
Velocity of Propagation	66% nom.
DC Resistance of inner conductor	318.0 Ohm /Km max.
Continuous working voltage	1000 V rms max.
Dielectric strength	1500 V rms min.

Frequency MHz	Attenuation dB/100m	Frequency MHz	Attenuation dB/100m
1	6.0	400	62.3
10	10.7	700	88.5
50	19.0	800	94.5
100	27.6	900	101.8
200	41.0	1000	111.5