

Technical Specification

Cable Type: MIL-C-17 M17/164-00001 RG-214/u

Western Wire Part Number: WRG21400

Revision: 06/06 Date: 19 December 2006



Physical Description

Inner Conductor	Stranded 7x0.75 mm, 2.25 mm OD 13# SPC
Dielectric	Solid LDPE, 7.24 ± 0.10 mm OD
Outer Conductor	Double silver plated copper (SPC) braid
Inner braid	SPC 24x10x0.127mm, 96.0% nom. coverage
Outer braid	SPC 24x11x0.127mm, 98.0% nom. coverage
Outer Jacket	NC PVC compound, colored Black (RAL 9005)
Overall Diameter	10.8 ± 0.2 mm
Surface Marking	WESTERN WIRE WRG21400 MIL-C-17 M17/164-00001 (SRL) COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]


Mechanical Properties

Minimum Bend Radius	85 mm
Center conductor elongation	25% min.
Operating temperature range	-40 to +85C
Cold bend test	-40C
Flame Test	IEC 60332-1
Total Weight	187 Kg/Km nom.

Electrical Properties @ 20C

Characteristic Impedance	50±2 Ohm
Attenuation	18.0 dB/100m max. @ 400 MHz
SRL	23 dB min. @ 1-400 MHz.
Capacitance	101 pF/m nom. 105 pF/m max. @ 1 KHz
Velocity of Propagation	66% nom.
DC Resistance of inner conductor	6.0 Ohm /Km max.
Continuous working voltage	3700 V rms max.
Dielectric strength	10 KV rms min.
Corona extinction	5 KV rms min.
Jacket spark test	5Kv rms.

Frequency MHz	Nom. Attenuation dB/100m	Frequency MHz	Nom. Attenuation dB/100m
1	0.56	400	13.4
10	1.8	700	21.3
50	4.3	900	24.9
100	6.2	1000	26.2
200	8.9	4000	65.6

 This cable fully conforms to EU Directive 2002/95/EC (RoHS)