

Technical Specification
Cable Type: MIL-C-17 RG-55B/u
Western Wire Part Number: WRG05501
Revision: 10/11 Date: 27 April 2011

Physical Description

Inner conductor material	Solid silver plated copper (SPC).
Inner conductor diameter	0.813 mm nom. (20 AWG).
Dielectric material	Solid LDPE.
Dielectric diameter	2.95 ± 0.100 mm.
Outer conductor	Double tin plated copper (TC) braid
Inner braid	0.127 mm TC wires, 95% min. coverage, 3.5 mm OD.
Outer braid	0.127 mm TC wires, 94% min. coverage, 4.05 mm OD.
Outer jacket	LDPE.
Outer jacket color	Black RAL 9005.
Outer jacket thickness	0.5 mm nom.
Overall diameter	5.05 ± 0.10 mm.
Surface Marking (White)	WESTERN WIRE WRG05501 RG-55B/u 10-989290436 CE 2002/95/EC (RoHS) [Batch Number] [Meter Mark] METER

Mechanical Properties

Minimum Bend Radius	55 mm
Storage Temperature	-20 to +80C
Operating temperature	-20 to +80C
Total Weight	48 Kg/Km nom.

Electrical & Transmission Properties @ 20C

Characteristic Impedance	53.5 ± 2.5 Ohm @ 5-400 MHz
Capacitance	101 pF/m nom. 105 pF/m max. @ 1 KHz
Velocity of Propagation	66% nom.
DC Resistance of inner conductor	34 Ohm /Km max.
Continuous working voltage	1900 V rms max.
Dielectric strength	5000 V rms min.
Attenuation	19.7 dB/100m max. @ 200MHz 29.0 dB/100m max. @ 400MHz

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