

### Technical Specification

**Cable: Type MIL-C-17F M17/119-RG-174 50 Ohm Coaxial Cable - Colored Jackets**

**Western Wire Part Number: WRG174XX**

**Revision: 02/06      Date: 10 May 2006**



#### Physical Description

Inner Conductor	Stranded 7x0.16mm copper (BC), 0.48±0.025 mm OD, 26#
Dielectric	Solid LDPE, 1.52±0.07 mm OD
Outer Conductor	Single tinned copper (TC) braid, 16x4x0.10mm, 85% coverage nom, 2.24 mm max. OD.
Outer Jacket	Indoor NC PVC compound.
Overall Diameter	2.8±0.12 mm.
Jacket Color	See below
Surface Marking	See below

#### Mechanical Properties

Minimum Bend Radius	50 mm
Storage Temperature	-40 to +80C
Operating temperature	-40 to +85C
Flame Test	UL 1581 VW-1 & IEC 60332-1
Total Weight	12 Kg/Km nom.

#### Electrical Properties @ 20C

Characteristic Impedance	50 ± 2 Ohm
Capacitance	105 pF/m max. @ 1 KHz
Velocity of Propagation	66% nom.
DC Resistance of inner conductor	150 Ohm /Km max.
Continuous working voltage	1100 V rms max.
Dielectric strength	1500 V rms min.
Operation frequency	1 GHz max.

Frequency MHz	Attenuation dB/100m	SRL dB Min.	Frequency MHz	Attenuation dB/100m	SRL dB Min.
1	6.0	NS	400	62.3	21
10	10.7	NS	700	88.5	18
50	19.0	23	800	94.5	18
100	27.6	22	900	101.8	18
200	41.0	21	1000	111.5	18

#### Optional Jacket Colors & Surface Printing

WW P/N	Jacket Color	Surface Printing
WRG17410	Black RAL 9005	WESTERN WIRE WRG17410 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17420	White RAL 1013	WESTERN WIRE WRG17420 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17430	Red RAL 3000	WESTERN WIRE WRG17430 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17433	Brown RAL 8016	WESTERN WIRE WRG17433 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17450	Yellow RAL 1021	WESTERN WIRE WRG17450 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17460	Green RAL 6018	WESTERN WIRE WRG17460 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17470	Orange RAL 2003	WESTERN WIRE WRG17470 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17480	Purple RAL 4005	WESTERN WIRE WRG17480 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]
WRG17490	Grey RAL 7005	WESTERN WIRE WRG17490 TYPE M17/119-RG-174 RG-174 FSHC FR UL 1581 VW-1 COAXIAL CABLE CE 2002/95/EC (RoHS) [Month, Year] [Batch Number]

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