

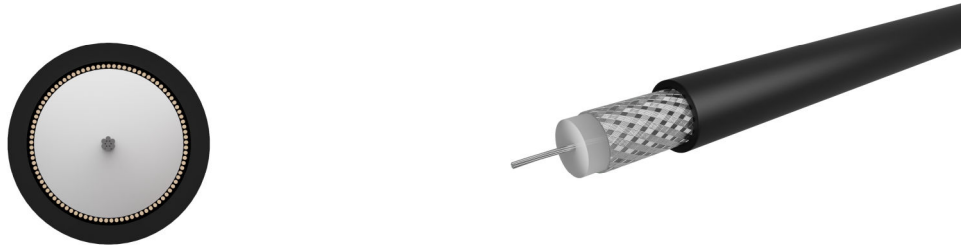


Technical Specification

Cable Type: TYPE MIL-C-17 M17/155-00001 RG-58 C/u (95%) 50 Ohm Coaxial Cable

Part Number: WRG05807

Revision: 11/24 Date: 12 August 2024



Physical Description

Inner conductor	Stranded 19x0.18 mm, 20# tinned copper (TC)
Dielectric	Solid LDPE, 2.95 ± 0.15 mm OD
Outer conductor	Single braid made of tinned copper (TC), 95% min. coverage
Outer jacket	UV resistant NC PVC compound, Black RAL 9005
Overall diameter	4.95 ± 0.15 mm
Surface marking	WESTERN WIRE WRG05807 TYPE M17/155-00001-RG-58C/u FR IEC 60332-1 COAXIAL CABLE CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [SMM] METER

Mechanical Properties

Minimum bend radius	30 mm
Center conductor elongation	10% min.
Storage & operating temperature range	-40 to +85C
Flame test	IEC 60332-1
Total weight	40 kg/km nom.

Electrical Properties @20C

Characteristic Impedance	50 ± 2 Ohm @ 1-2000 MHz.
SRL	See below
Capacitance	101 pF/m max. @ 1 kHz
Velocity of propagation	66% nom.
DC Resistance of inner conductor	35.4 Ohm/km max.
DC Loop resistance of center + outer conductors	1.50 Ohm/30m max.
Continuous working voltage	1900 V rms max.
Dielectric strength	3000 V rms min.
Spark test (100% dielectric & jacket)	5000 V rms min.
Corona extinction	1.9 Kv rms min.

Frequency MHz	Nom. Attenuation dB/100m	Max. Attenuation dB/100m	Min. SRL dB
1	1.4	NS	21
10	4.6	NS	21
50	11	NS	21
100	16	NS	21
200	23	NS	21
400	35	55.7	21
500	40	NS	21
1000	60	NS	18
1500	80	NS	17
2000	94	NS	15

This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)