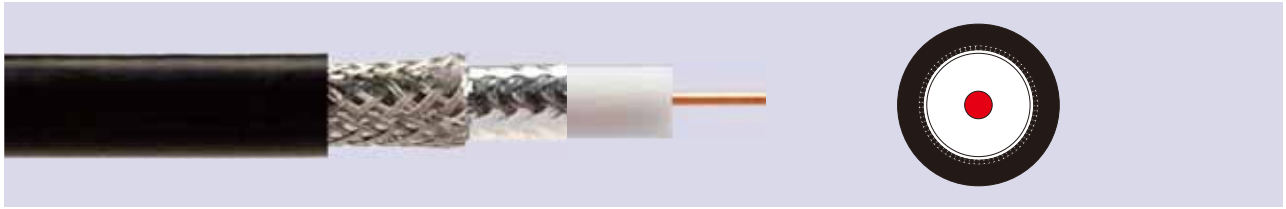
RG Mil-C-17 Coax Cables

Caleb Cable

RG8



Construction

Inner Conductor		Insulation		Foil	Braiding		Sheath	
Material	dia. mm	Material	dia. mm		Material		Material	dia. mm
CCA	2.74	FPE	7.25	Al-PET-Al	TC	90%	PVC	10.2

Electrical characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	3.2
Min. insulation DC resistance at 20℃ (MOhm x km)	500
Rated temperature (℃)	80
Rated voltage (V)	30
Capacitance (pF/m)	80 ± 3
Velocity ratio (%)	84
Impedance (Ohm)	50 ± 3

Attenuation at 20 ℃ (dB/100m)

5 MHz	1.31
10 MHz	1.64
50 MHz	3.30
100 MHz	4.60
200 MHz	5.90
400 MHz	8.55
700 MHz	11.80
900 MHz	13.45
1000 MHz	14.45

RG58 C/U

Construction

Inner Conductor		Insulation		Braiding		Sheath	
Material	dia. mm	Material	dia. mm	Material		Material	dia. mm
TC	19 x 0.18	SPE	2.95	TC	92%	PVC	4.95

Electrical Characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	38.4
Min. insulation DC resistance at 20℃ (MOhm x km)	500
Rated temperature (℃)	80
Max. operating voltage (VRMS)	1900
Rated voltage (V)	30
Capacitance (pF/m)	103 ± 3
Velocity ratio (%)	66
Impedance (Ohm)	50 ± 3

Attenuation at 20 ℃ (dB/100m)

50 MHz	10.65
200 MHz	22.60
600 MHz	42.00

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Caleb Cable

RG142 B/U

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
SPC	0.94	PTFE	2.95	SPC x 2 layers	FEP	4.95

Electrical characteristics

- Rated temperature (℃) 200
- Capacitance (pF/m) 105 ± 3
- Impedance (Ohm) 50 ± 3

Attenuation at 20 ℃ (dB/100m)

10 MHz	4.3
100 MHz	12.3
200 MHz	19.0
400 MHz	27.2
1000 MHz	48.3
3000 MHz	93.0

RG174 A/U

Construction

Inner Conductor		Insulation		Braiding		Sheath	
Material	dia. mm	Material	dia. mm	Material		Material	dia. mm
CCS	7 x 0.16	SPE	1.52	TC	84%	PVC	2.8

Electrical characteristics

- Max. conductor DC resistance at 20℃ (Ohm/km) 441
- Min. insulation DC resistance at 20℃ (MOhm x km) 200
- Rated temperature (℃) 80
- Rated voltage (V) 30
- Capacitance (pF/m) 105 ± 3
- Velocity ratio (%) 66
- Impedance (Ohm) 50 ± 3

Attenuation at 20 ℃ (dB/100m)

10 MHz	9.5
100 MHz	27
200 MHz	40

RG Mil-C-17 Coax Cables

Caleb Cable

RG178

Construction

Inner Conductor		Insulation		Braiding		Sheath	
Material	dia. mm	Material	dia. mm	Material		Material	dia. mm
SPCCS	7 x 0.102	PTFE	0.84	SPC	94%	FEP	1.8

Electrical characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	339
Min. insulation DC resistance at 20℃ (MOhm x km)	200
Rated temperature (℃)	200
Rated voltage (V)	30
Capacitance (pF/m)	100 ± 3
Velocity ratio (%)	69
Impedance (Ohm)	50 ± 3

Attenuation at 20 ℃ (dB/m)

100 MHz	0.453
400 MHz	0.958
1000 MHz	1.500

RG213 /U

Construction

Inner Conductor		Insulation		Braiding		Sheath	
Material	dia. mm	Material	dia. mm	Material		Material	dia. mm
BC	7 x 0.75	SPE	7.25	BC	98%	PVC	10.3

Electrical characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	0.65
Min. insulation DC resistance at 20℃ (MOhm x km)	500
Rated temperature (℃)	80
Max. operating voltage (VRMS)	5000
Rated voltage (V)	30
Capacitance (pF/m)	100 ± 3
Velocity ratio (%)	66
Impedance (Ohm)	50 ± 3

Attenuation at 20 ℃ (dB/100m)

10 MHz	6.2
600 MHz	19.5
1000 MHz	27.8

RG Mil-C-17 Coax Cables

RG214

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
SPC	7 x 0.75	SPE	7.25	SPC 1st 83%; 2nd 88%	PVC	10.8

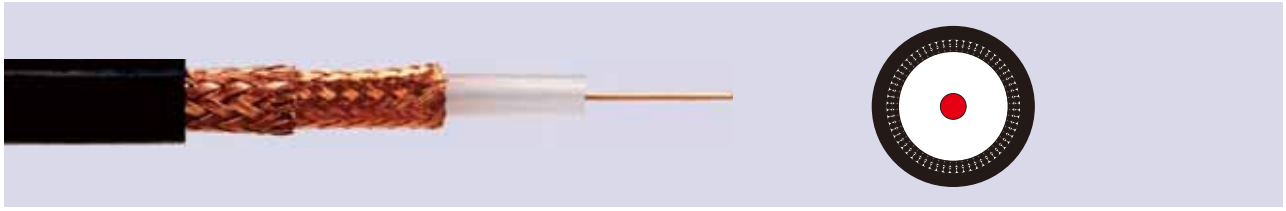
Electrical characteristics

- Max. conductor DC resistance at 20℃ (Ohm/km) 6.04
- Min. insulation DC resistance at 20℃ (MOhm x km) 1000
- Rated temperature (℃) 80
- Rated voltage (V) 30
- Capacitance (pF/m) 100 ± 3
- Velocity ratio (%) 67
- Impedance (Ohm) 50 ± 3

Attenuation at 20 ℃ (dB/100m)

100 MHz	7.0
500 MHz	14.7
1000 MHz	22.5
2500 MHz	44.0

RG217



Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
BC	2.7	SPE	9.4	BC 1st 92%; 2nd 88%	PVC	13.8

Electrical characteristics

- Max. conductor DC resistance at 20℃ (Ohm/km) 3.32
- Min. insulation DC resistance at 20℃ (MOhm x km) 1000
- Rated temperature (℃) 80
- Rated voltage (V) 7000
- Capacitance (pF/m) 101 ± 3
- Velocity ratio (%) 66
- Impedance (Ohm) 50 ± 3

Attenuation at 20 ℃ (dB/100m)

10 MHz	5.3
400 MHz	12.1
1000 MHz	30.0

RG Mil-C-17 Coax Cables

Caleb Cable

RG218

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
BC	4.95	SPE	17.23	BC 95%	PVC	22

Electrical characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	0.98
Min. insulation DC resistance at 20℃ (MOhm x km)	1000
Rated temperature (℃)	80
Rated voltage (V)	8000
Capacitance (pF/m)	105 ± 3
Velocity ratio (%)	66
Impedance (Ohm)	50 ± 3

Attenuation at 20 ℃ (dB/100m)

50 MHz	0.65
100 MHz	1.00
400 MHz	2.75
1000 MHz	5.00

RG223 /U

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
SPC	0.9	SPE	2.95	SPC 1st 95%; 2nd 95%	PVC	5.39

Electrical characteristics

Max. conductor DC resistance at 20℃ (Ohm/km)	29.8
Min. insulation DC resistance at 20℃ (MOhm x km)	10000
Rated temperature (℃)	80
Rated voltage (V)	30
Capacitance (pF/m)	101± 3
Velocity ratio (%)	66
Impedance (Ohm)	50± 3

Attenuation at 20 ℃ (dB/100m)

30 MHz	7.0
200 MHz	19.0
500 MHz	30.0
1000 MHz	42.0
3000 MHz	76.0

RG Mil-C-17 Coax Cables

Caleb Cable

RG316

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
SPC	7 x 0.18	PTFE	1.5	SPC 94%	FEP	2.5

Electrical characteristics

- Max. conductor DC resistance at 20℃ (Ohm/km) 132
- Min. insulation DC resistance at 20℃ (MOhm x km) 500
- Rated temperature (℃) 200
- Rated voltage (V) 30
- Capacitance (pF/m) 105 ± 3
- Velocity ratio (%) 69
- Impedance (Ohm) 50 ± 3

Attenuation at 20 ℃ (dB/m)

100 MHz	0.265
400 MHz	0.530
1000 MHz	0.875

RG400 /U

Construction

Inner Conductor		Insulation		Braiding	Sheath	
Material	dia. mm	Material	dia. mm	Material	Material	dia. mm
SPC	19 x 0.2	PTFE	2.95	SPC x 2 layers	FEP	4.95

Electrical characteristics

- Rated temperature (℃) 200
- Capacitance (pF/m) 105± 3
- Impedance (Ohm) 50± 3

Attenuation at 20 ℃ (dB/100m)

10 MHz	14.2
400 MHz	29.2
1000 MHz	49.2
3000 MHz	90.4