



RG Type Cables

RGC-8 Foam-Dielectric Braided Cable

RGC-8 SERIES	
Cable Type	Foam-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Bare copper
Diameter Inner	
Conductor, mm (in)	2.7 (0.11)
Diameter Dielectric, mm (in)	7.4 (0.29)
Outer Conductor	Foil Bonded Tape+Tinned
Material	Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	8.1 (0.32)
Jacket	PE
Diameter over Jacket	
Nominal, mm (in)	10.2 (0.40)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.137 (0.092)
Minimum Bending Radius,	
Repeated Bends, mm (in)	60 / 210 (2.36 / 8.27)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

CONNECTORS	
RGC-8 Connectors	See pages 56

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	87
Capacitance, pF/m (pF/ft)	78.0 (23.8)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	707
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	3.0 (0.9)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	5.3 (1.6)

RGC-8 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	2.5	0.7
50	3.1	0.9
100	4.1	1.2
200	5.6	1.7
450	8.7	2.6
800	11.8	3.6
1000	13.2	4.0
1800	18.2	5.5
2000	19.4	5.9
2400	22.3	6.8

RG Type Cables

RGC-213 Foam-Dielectric Braided Cable

RGC-213 SERIES	
Cable Type	Foam-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Bare copper
Diameter Inner	
Conductor, mm (in)	2.6 (0.10)
Diameter Dielectric, mm (in)	7.3 (0.29)
Outer Conductor	Aluminum Foil+Tinned
Material	Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	8.1 (0.32)
Jacket	PE
Diameter over Jacket	
Nominal, mm (in)	10.3 (0.41)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.126 (0.085)
Minimum Bending Radius,	
Repeated Bends, mm (in)	50 / 205 (1.97 / 8.07)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

CONNECTORS	
RGC-213 Connectors	See pages 56

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	82
Capacitance, pF/m (pF/ft)	82.0 (25.0)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	707
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	3.5 (1.07)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	8.0 (2.43)

RGC-213 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	2.4	0.7
50	3.0	0.9
100	4.2	1.3
200	6.1	1.9
450	9.5	2.9
800	13.2	4.0
1000	14.9	4.5
1800	20.9	6.4
2000	22.3	6.8
2400	25.2	7.7

RG Type Cables

RF-174 Foam-Dielectric Braided Cable

RF-174 SERIES	
Cable Type	Solid-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Stranded Bare Copper
Diameter Inner	
Conductor, mm (in)	0.48 (0.019)
Diameter Dielectric, mm (in)	1.5 (0.059)
Outer Conductor	
Material	Tinned Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	1.91 (0.075)
Jacket	PVC
Diameter over Jacket	
Nominal, mm (in)	2.7 (0.106)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.012 (0.008)
Minimum Bending Radius,	
Repeated Bends, mm (in)	14 / 42 (0.55 / 1.65)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	66
Capacitance, pF/m (pF/ft)	100 (30.5)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	1555
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	122 (37.2)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	36 (11.0)

RF-174 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	14.0	4.3
50	18.0	5.5
100	26.0	7.9
200	38.9	11.9
450	58.6	17.9
800	83.2	25.4
1000	93.0	28.3
1800	126.0	38.4
2000	134.0	40.8
2400	150.0	45.7

RG Type Cables

RG-58 Foam-Dielectric Braided Cable

RG-58 SERIES	
Cable Type	Solid-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Stranded Tinned Copper
Diameter Inner	
Conductor, mm (in)	0.9 (0.035)
Diameter Dielectric, mm (in)	2.9 (0.114)
Outer Conductor	
Material	Tinned Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	3.55 (0.14)
Jacket	PVC
Diameter over Jacket	
Nominal, mm (in)	5 (0.197)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.037 (0.025)
Minimum Bending Radius,	
Repeated Bends, mm (in)	25 / 100 (0.98 / 3.94)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	66
Capacitance, pF/m (pF/ft)	101 (30.8)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	2687
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	39 (11.9)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	15 (4.6)

RG-58 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	8.5	2.6
50	10.9	3.3
100	15.6	4.8
200	24.0	7.3
450	36.2	11.0
800	50.0	15.2
1000	61.0	18.6
1800	92.0	28.0
2000	100.0	30.5
2400	116.0	35.4



RG Type Cables

RGC-58 Foam-Dielectric Braided Cable

RGC-58 SERIES	
Cable Type	Foam-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Bare copper
Diameter Inner	
Conductor, mm (in)	1.06 (0.042)
Diameter Dielectric, mm (in)	2.95 (0.116)
Outer Conductor	Aluminum Foil+Tinned
Material	Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	3.6 (0.142)
Jacket	PE
Diameter over Jacket	
Nominal, mm (in)	5 (0.197)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.03 (0.020)
Minimum Bending Radius,	
Repeated Bends, mm (in)	25 / 100 (0.98 / 3.94)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	82
Capacitance, pF/m (pF/ft)	82 (25.0)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	707
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	21.5 (6.6)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	19.1 (5.8)

RGC-58 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	5.7	1.7
50	7.3	2.2
100	10.4	3.2
200	15.0	4.6
450	22.6	6.9
800	30.8	9.4
1000	35.4	10.8
1800	51.0	15.5
2000	55.0	16.8
2400	62.0	18.9

RG Type Cables

RG-213 Foam-Dielectric Braided Cable

RG-213 SERIES	
Cable Type	Solid-Dielectric, Braided
STRUCTURE	
Inner Conductor	
Material	Stranded Bare Copper
Diameter Inner	
Conductor, mm (in)	2.26 (0.089)
Diameter Dielectric, mm (in)	7.25 (0.285)
Outer Conductor	
Material	Bare Copper Braid
Diameter Copper Outer	
Conductor, mm (in)	8.11 (0.319)
Jacket	PVC
Diameter over Jacket	
Nominal, mm (in)	10.31(0.406)
MECHANICAL SPECIFICATIONS	
Cable Weight, kg/m (lb/ft)	0.155 (0.104)
Minimum Bending Radius,	
Repeated Bends, mm (in)	50 / 205 (1.97 / 8.07)
Recommended / Maximum	
Clamp Spacing, m (ft)	1.0 / 2.0 (3.25 / 6.56)
Operation Temperature, °C (°F)	-40 to +80 (-40 to +176)

ELECTRICAL SPECIFICATIONS	
Impedance, ohm	50
Velocity, percent	66
Capacitance, pF/m (pF/ft)	101 (30.8)
Maximum Frequency, GHz	3
RF Peak Voltage, Volts	5232
Inner Conductor dc	
Resistance, ohm/1000 m (ft)	5.8 (1.8)
Outer Conductor dc	
Resistance, ohm/1000 m (ft)	4.1 (1.3)

RG-213 Attenuation

Frequency, MHz	Attenuation, dB/100 m	Attenuation dB/100 ft.
30	3.6	1.1
50	4.6	1.4
100	6.8	2.1
200	10.2	3.1
450	15.5	4.7
800	23.0	7.0
1000	25.8	7.9
1800	39.0	11.9
2000	42.1	12.8
2400	45.3	13.8