



Coral Cable

PRODUCT SPECIFICATION

Braid Replacement Cable BR-240

CHARACTERISTICS

Materials

Jacket	Polyethylene
Jacket Color	Black
Outer Conductor	Corrugated Aluminum
Dielectric	Polyethylene Foam
Inner Conductor	Copper Wire

Mechanical

Nominal Size	0.240 inch
Diameter over Jacket, mm (in)	6.35 (0.25)
Diameter over Outer Conductor, mm (in)	5.28 (0.21)
Diameter over Foam Dielectric, mm (in)	5.08 (0.2)
Diameter over Inner Conductor, mm (in)	1.6 (0.06)
Cable Weight, kg/m (lb/ft)	0.04 (0.03)
Tensile Strength, kg (lb)	45.36 (100)
Flate Plate Crush Strength, kg/mm (lb/in)	0.8 (45)
Minimum Bend Radius, mm (in)	25.4 (1)
Bending Moment, N-m (lb-ft)	2.03 (1.5)

Environmental

Operating Temperature, °C (°F)	-40 to 80 (-40 to 176)
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Electrical

Impedance, ohms	50
Frequency, maximum, MHz	6,000
Pulse Reflection, maximum, %	0.5
Velocity, %	83
Peak Power Rating, kW	5.6
dc Resistance, Inner, ohms/km (ohms/kft)	8.76 (2.67)
dc Resistance, Outer, ohms/km (ohms/kft)	14.44 (4.4)
Capacitance, pF/m (pF/ft)	78.41 (23.9)
Inductance, μH/m (μH/ft)	0.21 (0.06)
dc Breakdown, volts	1,500
Jacket Spark, volts RMS	5000
Insulation Resistance, Mohm	100,000
Phase Trim, deg min/GHz	± 2.2

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From North America: 1-800-255-1479
 International: +1-708-873-2307
www.andrew.com



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Attenuation and Average Power Ratings

Frequency MHz	Attenuation dB/100m	Attenuation dB/100ft	Average Power, kW	Frequency MHz	Attenuation dB/100m	Attenuation dB/100ft	Average Power, kW
0.5	0.562	0.171	5.60	824	23.7	7.23	0.263
1	0.795	0.242	5.60	894	24.7	7.54	0.252
1.5	0.974	0.297	5.60	960	25.7	7.82	0.243
2	1.13	0.343	5.54	1,000	26.2	7.99	0.238
10	2.52	0.769	2.47	1,250	29.5	8.98	0.212
20	3.57	1.09	1.75	1,500	32.4	9.88	0.192
30	4.38	1.34	1.42	1,700	34.6	10.6	0.180
50	5.67	1.73	1.10	2,000	37.7	11.5	0.165
88	7.55	2.30	0.826	2,300	40.7	12.4	0.153
100	8.05	2.45	0.774	3,000	46.8	14.3	0.133
108	8.37	2.55	0.745	4,000	54.7	16.7	0.114
150	9.89	3.02	0.630	5,000	61.7	18.8	0.101
174	10.7	3.25	0.584	6,000	68.2	20.8	0.091
200	11.5	3.49	0.544				
300	14.1	4.29	0.443				
400	16.3	4.98	0.382				
450	17.4	5.29	0.359				
500	18.3	5.58	0.340				
512	18.5	5.65	0.336				
600	20.1	6.13	0.310				
700	21.8	6.64	0.286				
800	23.4	7.12	0.267				

Standard Conditions:

For Attenuation. VSWR 1.0, ambient temperature 20°C (68°F).

For Average Power. VSWR 1.0, ambient temperature 40°C (104°F), inner conductor temperature 100°C (212°F); no solar loading.

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0.01 - 6.00

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