

# browning®

## BR-400-BC

**Braided Cable, 0.405 Inch Diameter**

- Low loss RG-8/RG-213/9913 type cable
- **Solid bare copper center conductor**
- High velocity gas-injected foam dielectric - 85%
- 100% shield coverage - 95% tinned copper braid plus bonded aluminum tape

### Construction Specifications

Part	Material	Inches	MM
Inner conductor	Solid bare copper	0.108	2.74
Dielectric	Foam polyethylene	0.285	7.24
Outer conductor	Aluminum tape	0.291	7.39
Overall braid	Tinned copper	0.320	8.13
Jacket	Black polyethylene	0.405	10.29

### Electrical Specifications

- Maximum frequency	16.2 GHz	
- Velocity of propagation	85%	
- DC breakdown	2500 Volts	
- Peak power rating	16 kW	
- DC resistance inner conductor,ohms	1.39/1,000'	4.56/km
- DC Resistance outer conductor,ohms	1.65/1,000'	5.41/km
- Jacket spark-volts RMS	8,000	
- Impedance	50 Ohms	
- Capacitance	25.00 pF/ft.	82.00 pF/m
- Inductance	0.060 uH/ft.	0.20 uH/m
- Shielding effectiveness	>90 dB	
- Phase stability	< 10 ppm/C	

## BR-400-BC

Roll of 500 ft.

### Attenuation and Average Power Rating

Frequency MHz	Attenuation dB/100 ft.	dB/100 m	Avg.Power KW
30	0.7	2.2	3.3
50	0.9	2.9	2.6
150	1.5	5.0	1.5
220	1.9	6.1	1.2
450	2.7	8.9	0.8
900	3.9	12.8	0.56
1500	5.1	16.8	0.43
1800	5.7	18.6	0.39
2000	6.0	19.6	0.37
2500	6.7	22.0	0.33

# BR-500

**Braided Cable, 0.500 Inch Diameter**

- Low loss 1/2 inch cable
- **Solid copper coated aluminum center conductor**
- High velocity gas-injected foam dielectric - 86%
- 100% shield coverage - 95% tinned copper braid plus bonded aluminum tape

### Construction Specifications

Part	Material	Inches	MM
Inner conductor	Copper coated alum.	0.142	3.61
Dielectric	Foam polyethylene	0.370	9.40
Outer conductor	Aluminum tape	0.376	9.55
Overall braid	Tinned copper	0.405	10.29
Jacket	Black polyethylene	0.500	12.70

### Electrical Specifications

- Velocity of propagation	86%	
- DC breakdown	3000 Volts	
- Peak power rating	22 kW	
- DC resistance inner conductor,ohms	0.82/1,000'	2.7/km
- DC Resistance outer conductor,ohms	1.27/1,000'	4.2/km
- Jacket spark-volts RMS	8,000	
- Impedance	50 Ohms	
- Capacitance	23.6 pF/ft.	77.5 pF/m
- Inductance	0.059 uH/ft.	0.19 uH/m

## BR-500

Roll of 500 ft.

### Attenuation and Average Power Rating

Frequency MHz	Attenuation dB/100 ft.	dB/100 m	Avg.Power KW
30	0.5	1.8	4.4
50	0.7	2.3	3.4
150	1.2	4.0	1.9
220	1.5	4.9	1.6
450	2.2	7.1	1.0
900	3.1	10.3	0.75
1500	4.1	13.6	0.56
1800	4.6	15.0	0.51
2000	4.8	15.9	0.48
2500	5.5	18.0	0.42

## BR-500 Browning Connectors - Silver Plated, Gold Contact Pin

Model Description-Conn.Body/Pin

N-500	N Male crimp/solder
N-CP-500	Contact pin for N-500
NF-500	N Female pin for NF-500
NF-CP-500	Contact Pin for NF-500
UHF-500	UHF Male crimp/solder