

# browning®

## BR-400

Tram-Browning, Inc.  
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**Braided cable, 0.405 inch diameter**

- Low loss RG-8/RG-213/9913 type cable
- Solid copper coated aluminum 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	Copper coated aluminum	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	

### Model# BR-400

Roll of 500 ft.

### BR-400 cut pcs w/no-connector

400-50-NC	50 ft.
400-25-NC	25 ft.
400-6-NC	6 ft.
400-3-NC	3 ft.

### Attenuation and Average Power Rating

Frequency MHz	Attenuation dB/100 ft.	Attenuation 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 1/2" Cable Roll of 500 ft.**

## BR-400 Cable Assemblies - Connectors are Nickel Plated Brass w/ Gold Contact

Model	Description	Model	Description
400-3UHF-NC	3 ft. w/UHF Male to No-Conn.	400-25UHF-NC	25 ft. w/UHF Male to No-Conn.
400-3N-N	3 ft. w/ N Male to N Male	400-25N-N	25 ft. w/ N Male to N Male
400-3N-NF	3 ft. w/ N Male to N Female	400-25N-NF	25 ft. w/ N Male to N Female
400-3N-UHF	3 ft. w/ N Male to UHF Male	400-25N-UHF	25 ft. w/ N Male to UHF Male
400-3N-UHFF	3 ft. w/ N Male to UHF Female		
400-6UHF-NC	6 ft. w/UHF Male to No-Conn.	400-50UHF-NC	50 ft. w/UHF Male to No-Conn.
400-6N-N	6 ft. w/ N Male to N Male	400-50	50 ft. w/UHF Male to UHF Male
400-6N-NF	6 ft. w/ N Male to N Female	400-50N-N	50 ft. w/ N Male to N Male
400-6N-UHF	6 ft. w/ N Male to UHF Male	400-50N-NF	50 ft. w/ N Male to N Female
400-6N-UHFF	6 ft. w/ N Male to UHF Female	400-50N-UHF	50 ft. w/ N Male to UHF Male
		400-100	100 ft. w/UHF Male to UHF Male
		400-100N-N	100 ft. w/ N male to N Male
		400-100N-NF	100 ft. w/ N male to N Female
		400-100N-UHF	100 ft. w/ N male to UHF Male