

RG6 Series, Tri-Shield 77% Coaxial Cable, Black,  
1000ft with Messenger

**CX-CB-R6TM-77B**



## Specification

### General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

### Construction Materials

Jacket Material	PVC
Jacket Color	Black
Messenger Wire	0.051 in (1.3 mm) galvanized steel
Messenger Breaking Strength	77.1 kgf (170 lbf)
Shield Materials	Bonded inner foil + 77 % aluminum braid + bonded outer foil
Dielectric Material	Foam PE
Inner Conductor	Copper-clad steel wire

### Dimensions

Cable Length	1000 ft	305 m
Diameter Over Jacket	0.275 in	6.99 mm
Jacket Wall Thickness	0.03 in	0.76 mm
Diameter Over Tape	0.186 in	4.72 mm
Diameter Over Dielectric	0.177 in	4.49 mm
Diameter Inner Conductor	0.0403 in	1.024 mm
Reel Flange Diameter	12 in	310 mm
Hub Diameter	4 in	100 mm
Traverse Width	11.8 in	300 mm
Total Weight	39 lbs	17.9 kg

### Electrical Specifications

Operating Frequency Band	5 to 3000 MHz
Impedance	75 Ohms
Velocity	85%
DC Loop Resistance	32.4 Ohms / kft    106 Ohms / km
Dielectric Strength	1500 V
Jacket Spark Test Voltage (rms)	2500 V

### Attenuation @ 68 °F (20 °C)

Freq. (MHz)	db / 100 ft	db / 100 m	Freq. (MHz)	db / 100 ft	dB / 100 m
5	0.58	1.90	870	6.11	20.04
55	1.60	5.25	1000	6.55	21.49
211	3.05	10.00	1218	7.21	23.62
250	3.30	10.82	1300	7.53	24.67
270	3.37	11.04	1400	7.84	25.68
300	3.55	11.64	1500	8.13	26.63
330	3.74	12.26	1600	8.42	27.58
350	3.85	12.63	1700	8.70	28.50
400	4.15	13.61	1800	8.97	29.38
450	4.40	14.43	2000	9.50	31.12
500	4.66	15.29	2200	10.01	32.79
550	4.90	16.08	2500	10.73	35.15
600	5.10	16.73	2800	11.42	37.41
750	5.65	18.54	3000	11.86	38.85