

RG6 Series, Tri-Shield 77% Coaxial Cable,
Flooded, Black

CX-CB-R6TF-77



Specification

General

Braid Coverage	77 %
Cable Type	Series 6
Packaging Type	Reel

Construction Materials

Jacket Material	PE
Jacket Color	Black C677TS-BF1P Orange C677TS-BFO1P
Corrosion Protection	APFC (amorphous polypropylene flooding compound)
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	32 lbs	14.5 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