

Celebrating 30 Years in Broadcast and Professional A/V

[Home](#) | [Contact](#) | [P/N Index](#)

PRODUCTS
COMPANY
ORDER
NEWS
TECHNICAL

PRODUCTS / PRO-AUDIO, VIDEO & DATA CABLE / VIDEO CABLE / 50Ω Coax

50Ω Coax



FEATURES & BENEFITS

- Precision 50Ω Impedance
- 1GHz or 1.8GHz Bandwidth
- High Velocity of Propagation
- Gas-injected Foam Polyethylene Dielectric
- Single or Double Shield
- 100% Sweep Tested

APPLICATIONS

- Networking
- Wireless Systems
- VSAT

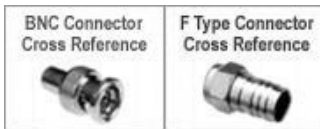
Coax cable that is designed to a 50Ω characteristic impedance for impedance matching in systems such as thinned, VSAT, or wireless systems. The insulating dielectric is still constructed from low-loss, gas-injected polyethylene, but in a proportionately smaller amount to achieve the proper impedance. Two RG sizes are available for general purpose use or extended distance runs.

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (type, OD)	Shield	Jacket (type, colors)	UL Type	Approx. Weight
V5020	1	.195"	20 AWG (19x32) Stranded TC	Gas-injected Foam PE, .114"	95% TC Braid	PVC, Black	CM	26 lbs/Mft
<i>RG8: IEEE 802.3 Thinned</i>								
V5010	1	.405"	10 AWG Solid BC	Gas-injected Foam PE, .288"	100% Foil 90% TC Braid	PVC, Black	CM	116 lbs/Mft
<i>RG8 Low-loss VSAT Type III</i>								

Electrical Specifications

Part #	Imped.	Return Loss	Capacitance	Cond. DCR per Mft/ Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100ft)											
						1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz	1.45 GHz	1.8 GHz	
V5020	50 Ω (+/-3)	>15dB (100kHz-1GHz)	28.5 pF/ft	4.1 Ω/ 13.5 Ω	73%	0.45	1.42	3.20	4.50	6.40	9.00	12.00	13.80	14.5	---	---	
V5010	50 Ω (+/-3)	>2015dB (100kHz-1.8GHz)	23.5 pF/ft	.92 Ω/ 1.4 Ω	84%	0.11	0.35	0.83	1.20	1.77	2.63	3.50	3.98	4.25	5.10	6.05	



[Back](#)

Toll Free: 800-966-0069 FAX: 847-795-8770
©2011. General Cable Technologies Corporation, Highland Heights, KY 41076. All rights reserved.

