

PRODUCT DIAGRAM



TECHNICAL PARAMETERS

Inner Conductor	Solid 0.81±0.006 mm CCS
Dielectric	FPE,3.66±0.10 mm OD
Dielectric thickness	1.56 mm nom. 1.25 mm min.
Outer Conductor	Single 100% min.15x0.03 mm AL/F,3.9±0.10 mm OD.
	Single braid, 55% min. coverage, 16x4x0.12 mm AL-wires, 4.3 mm nom. OD.
Outer Jacket	Flame retardant PVC compound, TYPE IIA per MIL-C-17G. Pressure extrusion.
Outer Jacket Color	Black RAL 9001.
Jacket Thickness	0.90 mm nom. 0.70 mm min.
Overall Diameter	6.0±0.20 mm.

PERFORMANCE TEST

Characteristic Impedance	75±4 Ohm(TDR)
Capacitance	52.7±4PF/m max.@1 KHz
Velocity of Propagation	80% nom.
Attenuation @400 MHz	16.5 dB/100 max.
Attenuation @1000 MHz	26.2 dB/100 max.
DC Resistance of inner conductor	167 Ohm/Km max.
DC Resistance of outer conductor	25.4 Ohm/Km max.
Continuous working voltage	1.7KV rms max.
Dielectric strength (conductor to shield)	5 KV rms min.
Jacket spark-test	3 KV rms min.
Jacket dielectric test after cold bend	3 KV rms min.

ORDERING INFORMATION

Part No.	Description
VCRG596CPFPE03	VIVANCO RG59 Standard Shield Coaxial cable (305m/drum, PVC, Black)