



Part Number		Item Number	
V0591001		RG59/U Coaxial Cable (Armored)	
Conductor		Insulation	
Composition (No./M)	1/0.812 ± 0.008 mm	Material	Gas Injected Foam Poly Ethylene
Material	Bare Copper	Thickness	1.435 ± 0.05
Outside Diameter (mm)	0.812	Nominal Diameter (mm)	W/O Foil 3.70 ± 0.1
AWG (Stranding)	20		W/Foil 3.80 ± 0.2
Outer Shield		Inner Shield	
Material	Tinned Copper	Material	Aluminum Mylar Foil
Construction	16/7/0.15 ± 0.008 mm	Construction	DS- Foil
picks/inches	8	Thickness	0.05 mm
Coverage	95%	Coverage	100%
Inner Jacket/Sheath		Outer Jacket/Sheath	
Material	Low-Smoke, Zero- Halogen Polyolefin	Material	Low-Smoke, Zero- Halogen Polyolefin
Diameter	6.30 ± 0.1	Diameter	1.32 Nom. Wall & 10.50Nom. O.D
Color	Black	Color	Black
Printing	-	Printing	See Below
Armoring		Nominal Capacity	
Material	Galvanized Steel Wire	pf/Ft	16.3 ± 1
Construction	24/4/0.32 ± 0.008 mm	pf/m	53.5 ± 1
picks/inches	7	-	-
Coverage	96%	-	-
Nominal Velocity of Propagation		Nom. Impedance	
82.00 %		75 ± 1	
Nominal Attenuation			
Frequency (MHz)		dB/100'	dB/100m
1		0.30	1.00

10	0.91	2.92
71	2.05	6.85
100	2.30	7.60
180	3.10	10.20
360	4.40	14.40
540	5.52	18.05
1000	7.60	24.90
1500	9.30	30.50
2250	11.60	38.00
3000	13.40	44.00
Electrical Properties		
Conductor Resistance	Ω/M'	10
Dielectric Resistance	M Ω /Km	Min 1000
Spark Test	V AC	2500
Jacket Spark Test	V AC	2500
Dielectric Withstand Test	V AC	1000
Impedance	Ω	75 \pm 1
Capacitance	pF/M	53.5 \pm 1
VOP (1 MHz - 1000 MHz)	%	82
VSWR (1 MHz - 1000 MHz)	%	1.07