



Part Number		Item Number	
V0581001		RG58/U Coaxial Cable (Armored)	
Conductor		Insulation	
Composition (No./M)	1/1.15 ± 0.008 mm	Material	Gas Injected Foam Poly Ethylene
Material	Bare Copper	Thickness	0.90 ± 0.05
Outside Diameter (mm)	1.15	Nominal Diameter (mm)	W/O Foil 2.95 ± 0.1
AWG (Stranding)	17		W/Foil 3.00 ± 0.2
Outer Shield		Inner Shield	
Material	Tinned Copper	Material	Aluminum Mylar Foil
Construction	16/7/0.12 + 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	0.71 Nom. Wall & 4.95 Nom. O.D	Diameter	1.22 Nom. Wall & 9.15Nom. O.D
Color	Black	Color	Black
Printing	-	Printing	See Below
Armoring		Nominal Capacity	
Material	Galvanized Steel Wire	pF/Ft	23.50 ± 1
Construction	16/4/0.32 ± 0.008 mm	pF/m	77.00 ± 1
picks/inches	9	-	-
Coverage	95%	-	-
Nominal Velocity of Propagation		Nom. Impedance	
82.00 %		50 ± 1	
Nominal Attenuation			
Frequency (MHz)		dB/100'	dB/100m
30		1.62	5.42

50	2.10	7.00
150	3.70	12.10
450	6.50	21.20
900	9.20	30.10
1500	12.00	39.20
1800	13.20	43.20
2500	15.70	51.60
3000	17.50	57.30
4500	22.00	72.30
6000	26.00	85.10
Electrical Properties		
Conductor Resistance	Ω/M'	3.4
Dielectric Resistance	$M\Omega/Km$	Min 1000
Spark Test	V AC	2500
Jacket Spark Test	V AC	2500
Dielectric Withstand Test	V AC	1000
Impedance	Ω	50 ± 1
Capacitance	$\mu F/M$	77 ± 1
VOP (1 MHz - 1000 MHz)	%	82
VSWR (1 MHz - 1000 MHz)	%	1.2