

# Coaxial Cable + Power Supplier

**RG59+18AWG\*2**



Construction	
<b>RG59 PART</b>	
<b>Center conductor:</b>	Bare copper
AWG:	20
Dia.:	0.813mm
<b>Insulation:</b>	Foam PE with skin
Norm. thickness:	1.78mm
insulation Dia.:	3.66 +/- 0.08mm
<b>Braiding Shield:</b>	bare copper wire
Coverage:	>= 95%
<b>Jacket:</b>	PVC
Out Dia.	6.0 +/- 0.1mm
<b>POWER CABLE PART</b>	
<b>Conductor:</b>	Stranded bare copper
AWG:	18
<b>Insulation:</b>	PVC
Norm. Dia.	1.8mm
Thickness:	0.3mm
<b>Jacket:</b>	PVC
Norm. dia.:	4.6mm
Thickness:	0.5mm

Performance	
Electrical Characteristics:	
Fequency (MHz)	Attenuation (db/100m)
1	0.79
10	2.5
100	9.05
400	19.76
Dielectric strength (kv/min)	1.0
Impedence (ohms)	75+/-3
Capacitance (PF/m)	53.1
Cond. DCR at 20 deg. (ohms/km)	<=33.9
Velocity of propagation (%)	>=82
Mechanical Characteristics:	
Test Object:	jacket
<b>Test Material:</b>	PVC
Before Tensile Strength (Mpa):	>=1.034
Aging Elongation (%):	>=200
<b>Aging condition (deg./hrs):</b>	113 +/-1.0, 168
After Tensile Strength (Mpa):	>=85% unaged
Aging Elongation (%):	>=50% unaged
Cold Bend (-20+/-2 deg. 4h):	no crack
Jacket impact test (-15deg.):	no crack
Jacket longitudinal shrinkage (%)	<=5
Center conductor bond to dielectric (N):	>=2.3