

# ATS-RG59-182-\*

RG59/U 20 Awg w/18-2C



### CONSTRUCTION

#### COAX CABLE

Component	Inches	mm
Center Conductor		
20 Awg Solid Bare Copper	.032	0.81
Dielectric / Foam PE	.144	3.66
Shield		
95% Bare Copper Wire Braiding	.168	4.26
Jacket / PVC	.240	6.10
Nominal Jacket Wall Thickness	.034	0.86

#### 2-18 Awg

Component	Inches	mm
Center Conductor		
18 Awg (7x0.0152 in) Bare Copper	.035	0.90
Conductors / Black & Red FR-PVC	.071	1.80
Jacket / PVC	.197	5.00
Nominal Jacket Wall Thickness	.020	0.50

### MECHANICAL CHARACTERISTICS

Minimum Bend Radius	Load: 20 Times Cable O.D.
	Unloaded: 10 Times Cable O.D.
Max Temperature Rating	60°C

### ELECTRICAL CHARACTERISTICS

Nominal Impedance	75 +/- 3 Ohms
Nominal Velocity of Propagation	82%
Nominal Capacitance	16.7 pF / FT
DCR of Coax Center Conductor	10.5 Ohm / 1000FT
DCR of Shield	2.70 Ohm / 1000FT
DCR of 18 Awg	6.80 Ohm / 1000FT
SRL	20 dB (10 thru 300 MHz)
	Swept Tested

Jacket Color: Black, White

### PACKAGING

500 FT  
Spool in a Box  
500 FT  
Wood Reel/Carton

### APPROVALS

ISO 9001  
UL, cUL, CSA  
ETL  
UL Listed CMX, CM, CMR  
ANS/TIA/EIA 568B.2  
NEC/CEC: CMR

ATTENUATION @68°F (20°C)		
Frequency (MHz)	Max (dB/100 ft)	Max (dB/100 m)
10	0.84	2.75
50	1.88	6.16
100	2.71	8.89
200	3.94	12.92
400	5.85	19.18
700	8.42	27.61
900	9.83	32.23
1000	10.20	33.44