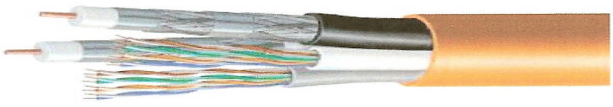




# ATS-COMP2-2-\*

2 RG/6 Quad & 2 Cat 5E (350 MHz) Cable



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

**JACKET COLORS**  
 White

**PACKAGING**  
 500 FT Wood Reel

**QUAD CONSTRUCTION**

<u>Physical Dimension</u>		
Component	Inches	mm
Nominal Center Conductor Diameter		
18 Awg Solid Copper Clad Steel	.040	1.02
Nominal Diameter over Dielectric		
Foam PE	.180	4.57
Nominal Diameter over 1st Shield		
Bonded AL / Pet / AL Foil	.184	4.67
Nominal Diameter over 2nd Shield		
AL Wire Braid (60%)	.209	5.31
Nominal Diameter over 3rd Shield		
AL Foil	.213	5.41
Nominal Diameter over 4th Shield		
AL Wire Braid (40%)	.238	6.05
Nominal Diameter over Jacket		
PVC	.297	7.54
Nominal Jacket Wall Thickness	.030	0.75

**CAT 5E CONSTRUCTION**

4 Twisted Pair Cable  
 Outer Jacket: PVC OD 5.2 mm, .55 mm Thickness  
 Pair Insulation: PE  
 24 Awg Solid Copper  
 Ripcord

**CHARACTERISTICS**

Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C
Capacitance	14pF/ft nominal
DC Resistance/Unbalance	28.6 Ohms/1000'
	Max/5% Max
Dielectric Breakdown	2500 Volts DC
	Conductor to Conductor
Maximum Skew	11ns@100 meters
Velocity of Propagation	PE=71%
	FEP=74% nominal

**MECHANICAL CHARACTERISTICS**

Minimum Breaking	.051	180 lbs	82 kgs
Strength of Messenger	.072	365 lbs	166 kgs

**ELECTRICAL CHARACTERISTICS**

Nominal Impedance	75 +/- 3 Ohms
Nominal Velocity of Propagation	85%

**CHARACTERISTICS IMPEDANCE**

1.0 - 100 MHz	100 Ohms + 15%
100 - 155 MHz	100 Ohms + 18%
155 - 200 MHz	100 Ohms + 19%
200 - 300 MHz	100 Ohms + 22%
300 - 350 MHz	100 Ohms + 24%

ATTENUATION @68°F (20°C)		
Frequency (MHz)	Max (dB/100 ft)	Max (dB/100 m)
5	0.58	1.9
83/channel 2	1.95	6.4
211/channel 13	3.05	10
400	4.15	13.61
600	5.1	16.73
1000	6.55	21.49
1450	7.98	26.16
1800	8.46	27.73
2250	10	34.03
3000	11.4	37.5

ATTENUATION @68°F (20°C)		ATTENUATION @68°F (20°C)	
Frequency (MHz)	Max (dB/100 m)	Frequency (MHz)	Max (dB/100 m)
0.77	1.9	100	22
1	6.4	155	28.1
4	10	200	32.4
8	13.61	300	41
10	16.73	350	44.9
16	21.49		
20	26.16		
25	27.73		
31.25	34.03		
62.5	37.5		



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