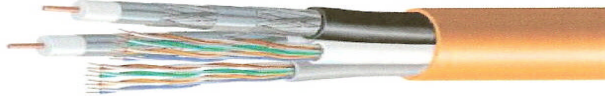


ATS-COMP2-2-*

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

Physical Dimension

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

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%

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

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

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)		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		