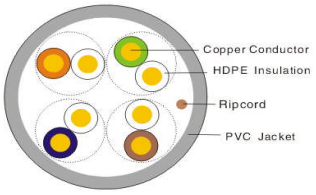
ATS-424CMR-5E-*

4 Pr 24 Awg Category 5E CMR (350 MHz)



CHARACTERISTICS		APPLICATIONS
Installation Temperature	0°C to 60°C	IEEE 802.3: 1000 BASE-T (Gigabit Ethernet)
Operation Temperature	-20°C to 60°C	100 BASE-TX, 10 BASE-T
Capacitance	14pF/ft nominal	155 Mp/s, 622 Mp/s ATM
DC Tesistance/Unbalance	28.6 Ohms/100' Max/5% Max	ANSI X3.263: 100 Mb/s
Dielectric Breakdown	2500 /volts DC Conductor to Conductor	4/16 Mb/s TOKEN RING
Velocity of Propagation	PE=71% FEP= 74% nominal	Broadband and Baseband Analog Video
Maximum Skew	11ns @ 100 meters	PACKAGING
CHARACTERISTICS IMPEDANCE		1000 FT Easy Pull Box
1.0 to 100 MHz	100 Ohms ± 15%	CONSTRUCTION
100 to 250 Mhz	100 Ohms ± 22%	4 Twisted Pair Cable
250 to 350 Mhz	100 Ohms ± 32%	Pair Insulation: PE
PAIR IDENTIFICATION		24 Awg Solid Copper
Pair 1	Blue, Blue/White	Ripcord
Pair 2	Orange, Orange/White	APPROVALS
Pair 3	Green, Green/White	UL 444, ISO 9001
Pair 4	Brown, Brown/White	UL, CUL, CSA, ETL
JACKETS		RoHS
Outer Jacket	PVC OD 5.2mm .55mm Thickness	UL Listed CM, CMR ANS/TIA/EIA 568B.2
Jacket Colors	Blue, White, Yellow, Gray	NEC/CEC:CMR

ELECTRICAL PERFORMANCE								
Frequency (MHz)	Attenuation (dB/100m)	Pair to Pair		Loss Return (dB/100m)	ACR (dB/100m)	Power Sum		
		NEXT (dB/1100m)	ELFEXT 9dB/100m)			NEXT dB/100m)	ELFEXT (dB/100m)	ACR (dB/100m)
	Max	Min	Min	Min	Min	Min	Min	Min
0.77	1.8	70	69	NA	68.2	67	66	65
1	2	68.3	66.8	20	66.3	65.3	63.8	63.3
4	4	59.3	54.7	23	55.2	56.3	51.7	52.2
8	5.8	54.8	48.7	24.5	49	51.8	45.7	47
10	6.5	53.3	46.8	25	46.8	50.3	43.8	43.8
16	8.2	50.3	42.9	25	42	47.3	39.7	39
20	9.2	48.8	40.7	25	39.5	45.8	37.7	36.5
25	10.4	47.3	3808	24.3	36.9	44.3	35.8	33.9
31.25	11.7	45.9	36.9	23.6	34.2	42.9	33.9	31.2
62.5	17	41.4	30.8	21.5	24.4	38.4	27.8	21.4
100	22	38.3	26.8	20.1	16.3	35.3	23.8	13.3
155	28.1	35.5	22.9	18.8	7.4	32.5	19.9	4.4
200	32.4	33.8	20.7	18	1.4	30.8	17.7	NS
300	41	32.3	17.2	16.8	NS	28.2	14.2	NS
350	44.9	30.2	15.9	16.3	NS	27.2	12.9	NS