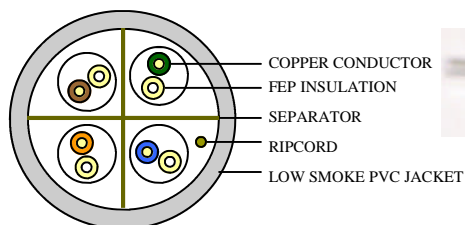




# ATS-423CMP-6-\*

Category 6 Plenum Cable (600 MHz)



CHARACTERISTICS		APPLICATIONS
Installation Temperature	75°C	IEEE 802.3: 1000 BASE-T (Gigabit Ethernet)
Capacitance	56 pF/1000ft nominal	100 BASE-TX, 10 BASE-T
DC Resistance/Unbalance	28.6 Ohms/100' Max	ANSI/TIA/EIA-854: 1000 BASE-TX
Propagation Delay Skew	25ns / 100 meters	155 Mp/s, 1.2 Gb/s ATM
		ANSI X3.263: 100 Mb/s
		IEEE 802.3af DTE Power (PoE)
		4/16 Mb/s TOKEN RING
PACKAGING		Digital Video
1000 FT Easy Pull Box		Broadband and Baseband Analog Video
CHARACTERISTICS IMPEDANCE		CONSTRUCTION
1.0 to 100 MHz	100 Ohms ± 15%	4 Twisted Pair Cable
100 to 250 Mhz	100 Ohms ± 22%	Pair Insulation: FEP
250 to 350 Mhz	100 Ohms ± 32%	24 Awg Solid Copper
PAIR IDENTIFICATION		Ripcord
Pair 1	Blue, Blue/White	APPROVALS
Pair 2	Orange, Orange/White	UL 444, ISO 9001
Pair 3	Green, Green/White	UL, CUL, CSA, ETL
Pair 4	Brown, Brown/White	RoHS
JACKETS		NEC/CEC: CMP
Outer Jacket	Low Smoke PVC OD 6 mm .05mm Thickness	UL Listed CM, CMR, CMP
Jacket Colors	Blue, White, Yellow, Gray	ANS/TIA/EIA 568B.2

ELECTRICAL PERFORMANCE										
Frequency MHz	Attenuation (dB/100m)		Near End Cross Talk (dB)		ACR (dB) Min	Power Sum (dB)			Return Loss (dB)	
	Max	EIA/TIA 568B Category 6	Min	EIA/TIA 568B Category 6		NEXT Min	ELFEXT Min	ACR Min	Min	EIA/TIA 568B Category 6
1	2	2	76.3	74.3	74.3	74.3	67.8	72.3	20	20
4	3.8	3.8	67.3	67.3	63.5	65.3	55.7	61.5	23	23
8	5.3	5.3	62.8	62.8	57.5	60.8	49.7	55.5	24.5	24.5
10	6	6	61.3	61.3	55.3	59.3	47.8	53.4	25	25
16	7.6	7.6	58.3	58.3	50.7	56.3	43.7	48.7	25	25
20	8.5	8.5	56.8	56.8	48.3	54.8	41.7	46.7	25	25
25	9.5	9.5	55.3	55.3	45.8	53.3	39.8	43.9	24.3	24.3
31.25	10.7	10.7	53.9	53.9	43.2	51.9	37.9	41.2	23.6	23.6
62.5	15.4	15.4	49.4	49.4	34	47.4	31.8	32	21.5	21.5
100	19.8	19.8	46.3	46.3	26.5	44.3	27.8	24.5	20.1	20.1
155	25.1	25.1	43.5	43.4	18.4	41.5	23.9	16.4	18.8	18.8
200	29	29	41.8	41.8	12.8	39.8	21.7	10.8	18	18
250	32.8	32.8	40.3	40.3	7.5	38.3	19.8	5.5	17.3	17.3
300	36.4	36.4	39.2	39.2	2.8	37.2	18.2	0.8	16.9	16.9
400	43	43	37.3	37.3	-	35.3	15.7	-	15.9	15.9
550	51.8	51.8	35.2	35.2	-	33.2	12.9	-	14.9	14.9
600	54.5	54.5	34.6	34.6	-	32.6	12.2	-	14.7	14.7



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