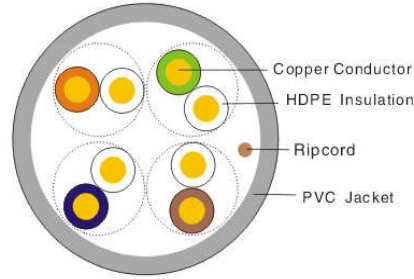


ATS-424CMR-3-*

4 Pr 24 Awg Category 3 CMR



CHARACTERISTICS		CONSTRUCTION	
Installation Temperature	0°C to 60°C	4 Twisted Pair Cable	
Operation Temperature	-20°C to 60°C	Pair Insulation: PE	
Capacitance	20pF/ft nominal	24 Awg Solid Copper	
DC Resistance/Unbalance	30.5 Ohms/1000' Max/5% Max	Ripcord	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	Outer Jacket: OD 4.50 mm	
Attenuation	$\leq 2.30^*v \text{ freq} + 0.238^* \text{ freq}$.46 mm Thickness	
Structural Return Loss	≥ 12	Jacket Colors: Gray, White	
Near end Cross Talk	$\geq 12 - 10 \log(\text{freq}/10)$		
	$\geq 43 - 15 \log \text{freq}/0.772$		
	$0.772 \leq \text{freq} \leq 16$		
	$1 \leq \text{freq} \leq 10$		
	$10 \leq \text{freq} \leq 16$		
	$0.772 \leq \text{freq} \leq 16$		
PACKAGING		APPROVALS	
1000 FT	PAIR IDENTIFICATION	ISO 9001	
Easy Pull Box	Pair 1 = Blue, Blue/White	UL, cUL, CSA	
	Pair 2 = Orange, Orange/White	ETL	
	Pair 3 = Green, Green/White	UL Listed CM, CMR	
	Pair 4 = Brown, Brown/White	ANS/TIA/EIA 568B.2	
		NEC/CEC: CMR	

ELECTRICAL PERFORMANCE			
Frequency (MHz)	Attenuation (dB/100 m)	Near End Cross Talk (dB)	Structural Return Loss (dB)
	EIA/TIA 568B.2	EIA/TIA 568B.2	
0.772	2.2	43	NA
1	2.6	41	12
4	5.6	32	12
8	8.5	27	12
10	9.7	26	12
16	13.1	23	10