

CAT6

21-PSI-6CMR-BU



- 4 twisted pairs cable
- 8 x 23 AWG solid copper conductors CMR rated
- **550 MHz** frequency
- Meets Cat6 specifications
- Ideal for 10Base-T(IEEE 802.3),
- 100Base-TX(IEEE 802.3u), 1000Base-TX, and 10GBase-TX
- 1000ft tangle-free pull out box

daveco[®]

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Date	Author	Review	Approve	Version	Revision Declaration		
Updated2018-05-08	Anne		WallisGan	A0			
Content of the Data Sheet							
Sheath Printing	PSI DATA UTP CAT6E 550MHZ 4PR 23 AWG CMR 3057585 (ETL) c(ETL) VERIFIED TO TIA-568-C.2 CAT 6 RoHS xxxxFT						
Customer reference							
Category	U/UTP CAT6E-4P- PVC						
Test Standard	ISO/IEC11801、TIA-568-C.2 、YD/T1019						
Conductor	Material	SOLID-Bare Copper					
	Nom.O.D.(mm)	0.550	up	+0.005			
			down	-0.005			
Insulation	Material	HDPE					
	Diameter	0.98±0.03mm					
Sheath	Thickness	0.55±0.05mm					
	External O.D.	6.1±0.4 mm					
	Surface	Clean,Frap,Satiation					
	Material	PVC(complies RoHS)					
	Color	According to the requires					
Surface Printing	Letter height	3.0±0.3mm					
	Color	Black					
	Print error & Space	±±0.5%, 1m					
Core Color	1 White- Blue /Blue	2 White-Orange /Orange					
	3 White-Green /Green	4 White- Brown /Brown					
Packing	Easy Pull Box						
Carton dimension	According to the requires						
Packing length	305±1.5m						
Rip-cord	Yes	Drain wire	No				
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5					
	Elongation(%)	≥150					
	Aging Period (°C×hrs)	100°C×24h×7d					
	After Aging Tensile Strength(Mpa)	≥12.5					
	Elongation(%)	≥125					
	Cold bend(-20±2°C×4h) 8×Cable O.D.No visible cracks						
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance(Ω)	100±15					
	250-550 MHz Impedance(Ω)	reference values					
	1.0-550.0MHz Delay Shew (ns/100m)	≤45					
	DC Resistance (Ω/100m) max	9.38					
	DC Conductor Resistance Unbalance (%)max					5.0	

Technical Performance :

Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.03	74.3	570.00	72.3	68.0	65.0
4	23.0	3.78	65.3	552.00	63.3	56.0	53.0
8	24.5	5.32	60.8	546.73	58.7	49.9	46.9
10	25.0	5.95	59.3	545.38	57.3	48.0	45.0
16	25.0	7.55	56.2	543.00	54.2	43.9	40.9
20	25.0	8.47	54.8	542.05	52.8	42.0	39.0
25	24.3	9.51	53.3	541.20	51.3	40.0	37.0
31.25	23.6	10.67	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.38	47.4	538.55	45.4	32.1	29.1
100	20.1	19.80	44.3	537.60	42.3	28.0	25.0
200	18.0	28.98	39.8	536.50	37.8	22.0	19.0
250	17.3	32.85	38.3	536.10	36.3	20.0	17.0
*350	16.3	39.79	36.1	535.90	34.1	16.9	13.9
*550	14.9	51.76	33.2	535.50	31.2	13.0	10.0

Note: Remarks: * are the reference values