

# CAT5e

## 21-PSI-5CMR-BU



- 4 twisted pairs cable
- 8 x 24 AWG solid copper conductors CMR Rated
- **350 MHz** frequency
- Meets Cat5e specifications
- Ideal for 10Base-T(IEEE 802.3),
- 100Base-TX(IEEE 802.3u), 1000Base-TX
- 1000ft tangle-free pull out box

**daveco**<sup>®</sup>

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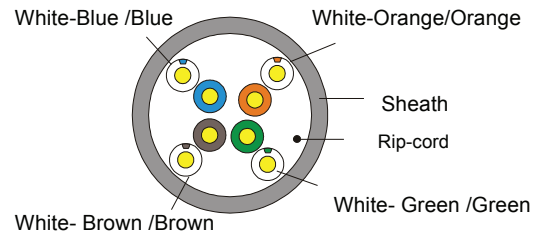


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Date	Author	Review	Approve	Version	Revision Declaration
2017-12-25	Anne		Wallis Gan	A0	

Content of the Data Sheet

Sheath Printing	PSI DATA UTP CAT5e 350MHZ 4PR 24 AWG CMR 3057585 (ETL) c(ETL) VERIFIED TO TIA-568-C.2 CAT 5e RoHS xxxFT					
Customer reference						
Category	U/UTP CAT5E-4P- PVC					
Test Standard	ISO/IEC11801、TIA-568-C.2					
Conductor	Material	Solid-Bare Copper				
	Nom.O.D.(mm)	0.490	up	+0.005	down	-0.005
Insulation	Material	HDPE				
	Diameter	0.87±0.03mm				
Sheath	Thickness	0.50±0.05 mm				
	External O.D.	5.0±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	Wooden Tray & Carton					
Carton dimension	According to the requires					
Packing length	(305±1.5)m					
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□×4h)	8×Cable O.D., No visible cracks				
Electrical Characteristics (20° C)	1.0-100.0MHz Impedance(Ω)	100±15				
	100-350 MHz Impedance(Ω)	reference values				
	1.0-350.0MHz Delay Shew (ns/100m)	≤45				
	DC ResistanceΩ/100m) max	9.5				
	DC Conductor Resistance Unbalance(%) max	5.0				



**Technical Performance :**

Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8
*155	18.0	28.1	32.4	536.90	29.4	20	17
*200	17.4	32.4	30.8	536.50	27.8	17.8	14.8
*300	16.5	41.8	29.3	536.10	26.3	14.3	11.3
*350	16.0	44.9	27.1	535.90	24.1	12.9	9.9

Remarks: \* are the reference values