



**Direct Cable Supplies™**  
We Have All The Connections

**DCS Industries Australia**

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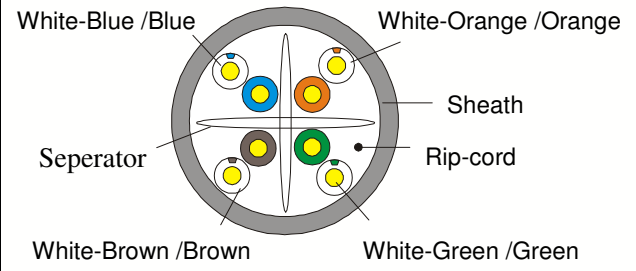
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## Specification Sheet

### UTP 4Pairs cable-Cat6-PVC Sheath

Sheath Printing	DCS Direct Cable Supplies - RCM  CM-CAT6 (305M.. 001M) Batch # - EziTag- D1 - D2 - D3 - D4 - D5 - D6 - D7 - D8 - D9 - D10			
Category	U/UTP CAT6-4P-PVC			
Test Standard	ISO/IEC11801、TIA/EIA-568-C.2 AS/NZS S008:2010			
Conductor	Material	oxygen free copper		
	Nom.O.D.(mm)	0.565	up down	+0.005 -0.005
Insulation	Material	HDPE		
	Diameter	0.95 ± 0.03mm		
Sheath	Thickness	0.55 ± 0.05 mm		
	External O.D.	6.1 ± 0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	PVC(complies RoHS),CM		
	Color	Various Colours		
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	Reel with Pull Box, wooden reel ,Pull box			
Carton dimension				
Packing length	305m or as per request			
Rip-cord	Yes	Drain wire		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥ 13.8		
	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		
	1.0-250.0MHz Delay Shew (ns/100m)	≤ 45		
	DC Resistance (Ω/100m) max	9.5		
	DC Conductor Resistance Unbalance (%) max	5.0		



**Technical Performance (100m):**

Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8

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## UTP 4Pairs cable-Cat6-PVC Sheath

Category 6 Utp Lan Cable, Four 23AWG twisted solid copper pairs, it contains a separator that runs in between the twisted pairs, which allows for faster data transfer and maintains the pair geometry.

Available on a 305m Pull box with reel



### Order Information

Product code	Colour
CM-CAT6	Blue
CM-CAT6P	Purple
CM-CAT6W	White
CM-CAT6Y	Yellow
CM-CAT6GN	Green
CM-CAT6GY	Grey

All cables are ACMA approved

