

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				White-Blue /Blue White-Orange /Orange Sheath Seperator White-Brown /Brown White-Green /Green Rip-cord
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	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	0.95±0.03mm			
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):
	External O.D.	6.1±0.4 mm			Frequency RL ATT(20°C) NEXT PHASE DELAY
	Surface	Clean,Frap,Satiation			(MHz) ≥dB ≤dB ≥dB ≤ns
	Material	PVC(complies RoHS),CM			1 20.0 2.03 74.3 570.00
	Color	Various Colours			4.0 23.0 3.78 65.3 552.00
Surface Printing	Letter height	3.0±0.3mm			8.0 24.5 5.32 60.8 546.73
	Color	Black			10.0 25.0 5.95 59.3 545.38
	Print error & Space	≤±0.5%, 1m			16.0 25.0 7.55 56.2 543.00
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		20.0 25.0 8.47 54.8 542.05
	3 White-Green /Green		4 White- Brown /Brown		25.0 24.3 9.51 53.3 541.20
Packing	Reel with Pull Box, wooden reel ,Pull box				31.25 23.6 10.67 51.9 540.44
Carton dimension					62.5 21.5 15.38 47.7 538.55
Packing length	305m or as per request				100 20.1 19.80 44.3 537.60
Rip-cord	Yes	Drain wire			200 18.0 28.98 39.8 536.54
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.8		250 17.3 32.85 38.3 536.27
	Elongation(%)		≥150		Frequency PSNEXT ELFEXT PSELFEXT
	Aging Period (°C×hrs)		100°C×24h×7d		(MHz) ≥dB ≥dB ≥dB
	After Aging Tensile Strength(Mpa)		≥12.5		1 72.3 67.8 64.8
	Elongation(%)		≥125		4 63.3 55.8 52.8
	Cold bend(-20±2°C×4h) 8×Cable O.D.,		No visible cracks		8 58.8 49.7 46.7
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance ((Ω)		100±15		10 57.3 47.8 44.8
	1.0-250.0MHz Delay Shew (ns/100m)		≤45		16 54.2 43.7 40.7
	DC Resistance (Ω/100m) max		9.5		20 52.8 41.8 38.8
	DC Conductor Resistance		Unbalance (%)		25 41.3 39.8 36.8
	max	5.0			31.25 49.9 37.9 34.9