
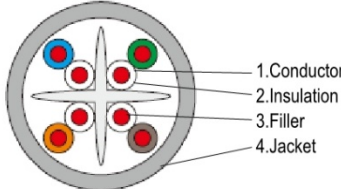



## Appendix C – Product Specifications provided by the client

UTP CAT 6 CM PVC 5.6				
<b>CABLEMASTER (AUST)</b> Distributed exclusively by : Skandia 131 Wedgewood road Hallam 3803				
<b>Revision History</b>				
Part No:AZ-139	Price NO:			
Prepared by:CYX	Date: 2015/9/11			
Approved by:	Page: 1 of 1			
<b>Product Code : CAT 6</b>				
<b>Product Description</b>				
<b>Application:</b> Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T IEEE 802.5 16 MB; ISDN; TPDDI; ATM IEEE 802.3af-2002: POE; IEEE 802.3at: POE+				
<b>Reference Standard</b> ISO/IEC 11801: 2011; IEC61156-5:2009; UL444 EN50173; EN50288;TIA-568-C.2:2009				
<b>Multi-construction</b> 4 Pair				
<b>Cable Construction</b>				
<b>1.Conductor</b>	<b>Bare Copper</b>			
Construction (mm)	0.52±0.01			
<b>2.Insulation</b>	<b>HDPE</b>			
Insulation Dia.(mm)	0.93±0.08×2C Twist			
<b>3.Filler</b>	<b>Corss Member</b>			
<b>4.Jacket</b>	<b>CM PVC</b>			
Dia.(mm)	5.60±0.20			
Jacket Color	Blue(RAL5015)			
<b>Color</b> Insulation color are: <div>Blue, White/Blue                      Orange,White/Orange Green, White/Green                    Brown, White/Brown</div>				
<b>Marking</b> DDMMYY CABLEMASTER UTP CAT6 AS/ACIF S008:2006                    305m..... 001m				
<b>Packaging</b> 305M/ Black Easypull-box. Pallet size:1140mm×1140mm				
				
<b>Design</b> 				
<b>Electrical Characteristics</b>				
<b>Performance</b>				
Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RETURN LOSS (dB)
4.0	3.8	66.3	63.3	23.0
10.0	6.0	60.3	57.3	25.0
16.0	7.6	57.2	54.2	25.0
20.0	8.5	55.8	52.8	25.0
31.3	10.7	52.9	49.9	23.6
62.5	15.5	48.4	45.4	21.5
100.0	19.9	45.3	42.3	20.1
155.5	25.3	42.4	39.4	18.8
175.0	27.1	41.7	38.7	18.4
200.0	29.1	40.8	37.8	18.0
250.0	33.0	39.3	36.3	17.3
Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
4.0	56.0	53.0		
10.0	48.0	45.0		
16.0	43.9	40.9		
20.0	42.0	39.0		
31.3	38.1	35.1		
62.5	32.1	29.1		
100.0	28.0	25.0		
155.5	24.2	21.2		
175.0	23.1	20.1		
200.0	22.0	19.0		
250.0	20.0	17.0		
Max.Conductor DC Resistance at 20°C (Ω/Km)		<97.6		
Rated Temperature(°C)		70		
Velocity ratio		70%		
Impedance(Ω)	1-100MHz		100±10	
	100-250MHz		100±15	
Fire Performance: CM				



This report is issued within the scope of A2LA accreditation #2765.01.

Accredited for compliance with ISO / IEC 17025.

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