

Customer: DELTA

PRODUCT SPECIFICATION: #23 1/0.53x4P UTP6 LAN CABLE

Cross Section		Performance					
		ELECTRICAL CHARACTERISTICS (20°C)					
		MAX. CONDUCTOR DC RESISTANCE (/KM)		#23:89			
<p style="text-align: center;">Marking</p>		MIN. INSULATION RESISTANCE (/KM)		PE:100M			
		DIELECTRIC STRENGTH		AC-500V/1 MIN NO BREAKDOWN			
<p style="text-align: center;">Construcetion</p>		D-C RESISTANCE UNBALANCE:MAX		2%			
		PAIR-TO-GROUND CAPACITANCE UNBALANCE:MAX.		330PF/100M			
<p>Conductor Bare Copper</p> <p>4 Twisted Pair 8C</p> <p>AWG 23</p> <p>Construction (MM) 1/0.53±0.008</p> <p>Standard Dia. (MM) /</p> <p>Insulation PE</p> <p>Nom. Thickness (MM) 0.225</p> <p>Insulation Dia. (±0.05MM) 1</p> <p>Sepaiaior PE Cross</p> <p>Shield/Braid /</p> <p>Overlap (%) /</p> <p>Darin wire /</p> <p>Jacket pvc</p> <p>Nom. Thickness (MM) 0.6</p> <p>Outer Dia. (±0.2MM) 6.3</p>		INPUT IMPEDANCE: 4-100MHz		100+/-15ohm			
		100-250MHz		100+/-22ohm			
<p style="text-align: center;">Color</p>		MEAN CHARATRERISTIC IMPEDANCE@100MHZ:		100+/-5 OHMS			
		NOMINALE VELOCITY OF PROPAGETION (NVP)		68+/-2%			
<p>Insulation Cores:Pairs</p> <p>P1:Blue & White P2:Orange & White</p> <p>P3:Green & White P4:Brown & White</p> <p>Jacket</p>		PROPAGATION DELAY @ 100MHZ		≥537.6 ns/100M			
		PROPAGATION DELAY SKEW:MAX.		≥45ns/100M			
<p>benging test</p> <p>MAX.pulling</p>		PREQUENCY RANGE MINIMUM REQUIREMENTS (EQUATIONS)					
		INSERTION LOSS 4-250MHZ IEC60332-1:EQUATION(2). CONSTANT VALUES SEE TABLE 4 CAT. 6					
		RETURN LOSS 4-250MHZ IEC60332-1:SEE TABLE 10					
		INPUT IMPEDANCE 4-250MHZ IEC60332-1:SEE TABLE 10					
		NEXT 4-250MHZ IEC60332-1:EQUATION(6), CONSTANT VALUES SEE TABLE 6 CAT. 6					
		PS NEXT 4-250MHZ IEC60332-1:EQUATION(5), CONSTANT VALUES SEE TABLE 6 CAT. 6					
		ELFEXT 4-250MHZ IEC60332-1:EQUATION(7), CONSTANT VALUES SEE TABLE 6 CAT. 6					
		PS ELFEXT 4-250MHZ IEC60332-1:EQUATION(7), CONSTANT VALUES SEE TABLE 6 CAT. 6					
		Physical Properties:		Insulat ion			
				Tens strength (before)		Kgf/mm ² >1.68	
		Jacket		Tens strength (after)		Kgf/mm ²	
				Elongation (before aging)		%	
		Jacket		Elongation (after aging)		%	
				Tens strength (before)		Kgf/mm ² >1.41	
		Jacket		Tens strength (after)		Kgf/mm ²	
				Elongation (before aging)		%	
		Jacket		Elongation (after aging)		%	
				Conductor Resistance		Ω/km 20°C <93.8	
		Jacket		Insulation shrinkback		121°C x1hr	
				Insulation cold bend		-20°C x4hr	
		Jacket		Jacket cold bend		-20°C x4hr	

Designed By:

Date:

Approved By:

Date: