

U/FTP Category 6A Cable Data Sheet

PN:06-8404

Cross Section		Performance	
		ELECTRICAL CHARACTERISTICS(20°C) MAX.CONDUCTOR DC RESISTANCE (/KM)#23:138 MIN.INSULATION RESISTANCE (/KM)PE:100M DIELECTRIC STRENGTH AC-500V/1 MIN NO BREAKDOWN D-C RESISTANCE UNBALANCE:MAX2% PAIR-TO-GROUND CAPACITANCE UNBALANCE:MAX. 330PF/100M INPUT IMPEDANCE: 4-100MHZ 100+/-15ohm 100-250MHZ 100+/-22ohm MEAN CHARATREISTIC IMPEDANCE@100MHZ: 100+/-5 OHMS	
		Marking NOMINALE VELOCITY OF PROPAGETION(NVP) 68+/-2% PROPAGATION DELAY @ 100MHZ ≧ 537.6 ns/100M PROPAGATION DELAY SKEW:MAX. ≧ 45ns/100M FREQUENCY RANGE MINIMUM REQUIREMENTS(EQUATIONS) INSERTION LOSS 4-500MHZ IEC61156-6:EQUATION(2),CONSTANT VALUES SEE TABLE 4 CAT.6 RETURN LOSS 4-500MHZ IEC61156-6:SEE TABLE 10 INPUT IMPEDANCE 4-500MHZ IEC61156-6:SEE TABLE 10	
Jacket Marking: DIREKTRONIK CATEGORY 6A CABLE U/FTP 23AWG 4 PAIRS LSZH VERIFIED TO EIA/TIA 568B 001M.....305M		PS NEXT 4-500MHZ IEC61156-6:EQUATION(6),CONSTANT VALUES SEE TABLE 6 CAT.6A PS NEXT 4-500MHZ IEC61156-6:EQUATION(5),CONSTANT VALUES SEE TABLE 6 CAT.6A ELFEXT 4-500MHZ IEC61156-6:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.6A PS ELFEXT 4-500MHZ IEC61156-6:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.6A	
Construcion			
Conductor	Bare Copper		
4 Twisted Pair	8C		
AWG	23		
Construction (MM)	1/(0.57-0.008)		
Standard Dia.(MM)	0.572		
Insulation	PE		
Nom.Thickness (MM)	0.38		
Insulation Dia.(±0.005MM)	1.4±0.2		
Sepaiaior	/		
Shield/Braid	AL		
Overlap(%)	25%		
Darin wire	1/0.5T		
Jacket	LSZH		
Nom.Thickness (MM)	0.58		
Outer Dia.(±0.2MM)	8.0		
Color			
Insulation			
Cores:Pairs			
P1:Blue & Wh/BL	P2:Orange & Wh/OR		
P3:Green & Wh/GRN	P4:Brown & Wh/BRN		
Jacket: Blue			
benging test			
MAX.pulling			
		Conductor Resistance	Ω/km 20°C <93.8
		Insulation shrinkback	121°Cx1hr
		Insulation cold bend	-20°Cx4hr
		Jacket cold bend	-20°Cx4hr

Designed By:
Date:

Approved By:
Date:

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