

SSTP Category 7 Cable Data Sheet

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 NOMINALE VELOCITY OF PROPAGETION(NVP) 68+/-2% PROPAGATION DELAY @ 100MHZ \geq 537.6 ns/100M PROPAGATION DELAY SKEW:MAX. \geq 45ns/100M PREQUENCY 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 NEXT 4-500MHZ IEC61156-6:EQUATION(6),CONSTANT VALUES SEE TABLE 6 CAT.7 PS NEXT 4-500MHZ IEC61156-6:EQUATION(5),CONSTANT VALUES SEE TABLE 6 CAT.7 ELFEXT 4-500MHZ IEC61156-6:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.7 PS ELFEXT 4-500MHZ IEC61156-6:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.7	
		Jacket Marking: DIREKTRONIK CATEGORY 7 CABLE SSTP 23AWG 4 PAIRS LSZH VERIFIED TO EIA/TIA 568B 001M.....305M	
Construction Conductor Bare Copper 4 Twisted Pair 8C AWG 2300% Construction (MM) 1/(0.57-0.008) Standard Dia.(MM) 58% Insulation PE Nom.Thickness (MM) 38% Insulation Dia.(±0.005MM) 1.4±0.2 Sepaialor / Shield/Braid AL/AL-Mg 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: Orange	
benging test MAX.pulling		Physical Properties Insulation Tens strength (before aging) Kgf/mm ² >1.68 Tens strength (after aging) Kgf/mm ² Elongation (before aging) % >300% Elongation (after aging) % Jacket Tens strength (before aging) Kgf/mm ² >1.41 Tens strength (after aging) Kgf/mm ² Elongation (before aging) % >100% Elongation (after aging) % 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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