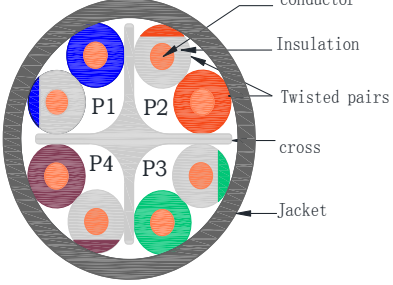


Cross Section		Performance																															
		<b>ELECTRICAL CHARACTERISTICS(20°C)</b> MAX.CONDUCTOR DC RESISTANCE ( /KM) #23:89 MIN.INSULATION RESISTANCE ( /KM) PE:100M DIELECTRIC STRENGTH AC-500V/1 MIN NO BREAKDOWN D-C RESISTANCE UNBALANCE:MAX 2% PAIR-TO-GROUND CAPACITANCE UNBALANCE:MAX. 330PF/100M INPUT IMPEDANCE: 4-100MHZ 100+/-15ohm 100-250MHZ 100+/-22ohm MEAN CHARATRERISTIC IMPEDANCE@100MHZ: 100+/-5 OHMS NOMINALE VELOCITY OF PROPAGETION(NVP) 68+/-2% PROPAGATION DELAY @ 100MHZ $\cong$ 537.6 ns/100M PROPAGATION DELAY SKEW:MAX. $\cong$ 45ns/100M PREQUENCY RANGE MINIMUN REQUIREMENTS(EQUATIONS)																															
<b>Marking</b> Jacket Marking: DIREKTRONIK CATEGORY 6 CABLE U/UTP 23AWG 4 PAIRS LSZH VERIFIED TO EIA/TIA 568B 001M.....305M		<b>INSERTION LOSS 4-250MHZ IEC60332-1:EQUATION(2).CONSTANT VALUES SEE TABLE 4 CAT.6</b>  <b>RETURN LOSS 4-250MHZ IEC60332-1:SEE TABLE 10</b> INPUT IMPEDANCE 4-250MHZ IEC60332-1:SEE TABLE 10 <b>NEXT 4-250MHZ IEC60332-1:EQUATION(6),CONSTANT VALUES SEE TABLE 6 CAT.6</b>  <b>PS NEXT 4-250MHZ IEC60332-1:EQUATION(5),CONSTANT VALUES SEE TABLE 6 CAT.6</b>  <b>ELFEXT 4-250MHZ IEC60332-1:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.6</b>  <b>PS ELFEXT 4-250MHZ IEC60332-1:EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT.6</b>																															
<b>Construccion</b> Conductor Bare Copper 4 Twisted Pair 8C AWG 23 Construction (MM) 1/0.57 Standard Dia.(MM) / Insulation PE Nom.Thickness (MM) 0.225 Insulation Dia.(±0.05MM) 1 Sepaiaior PE Cross Shield/Braid / Overlap(%) / Darin wire / Jacket LSZH Nom.Thickness (MM) 0.6 Outer Dia.( ±0.2MM) 6.2		<b>Physical Properties:</b> <table border="1"> <tr> <td rowspan="2">Insulation</td> <td>Tens strength ( before aging )</td> <td>Kgf/mm<sup>2</sup></td> <td>&gt;1.68</td> </tr> <tr> <td>Tens strength ( after aging )</td> <td>Kgf/mm<sup>2</sup></td> <td></td> </tr> <tr> <td rowspan="2">Elongation</td> <td>Elongation ( before aging )</td> <td>%</td> <td>&gt;300%</td> </tr> <tr> <td>Elongation ( after aging )</td> <td>%</td> <td></td> </tr> <tr> <td rowspan="2">Jacket</td> <td>Tens strength ( before aging )</td> <td>Kgf/mm<sup>2</sup></td> <td>&gt;1.41</td> </tr> <tr> <td>Tens strength ( after aging )</td> <td>Kgf/mm<sup>2</sup></td> <td></td> </tr> <tr> <td rowspan="2">Elongation</td> <td>Elongation ( before aging )</td> <td>%</td> <td>&gt;100%</td> </tr> <tr> <td>Elongation ( after aging )</td> <td>%</td> <td></td> </tr> </table>				Insulation	Tens strength ( before aging )	Kgf/mm <sup>2</sup>	>1.68	Tens strength ( after aging )	Kgf/mm <sup>2</sup>		Elongation	Elongation ( before aging )	%	>300%	Elongation ( after aging )	%		Jacket	Tens strength ( before aging )	Kgf/mm <sup>2</sup>	>1.41	Tens strength ( after aging )	Kgf/mm <sup>2</sup>		Elongation	Elongation ( before aging )	%	>100%	Elongation ( after aging )	%	
Insulation	Tens strength ( before aging )	Kgf/mm <sup>2</sup>	>1.68																														
	Tens strength ( after aging )	Kgf/mm <sup>2</sup>																															
Elongation	Elongation ( before aging )	%	>300%																														
	Elongation ( after aging )	%																															
Jacket	Tens strength ( before aging )	Kgf/mm <sup>2</sup>	>1.41																														
	Tens strength ( after aging )	Kgf/mm <sup>2</sup>																															
Elongation	Elongation ( before aging )	%	>100%																														
	Elongation ( after aging )	%																															
<b>Color</b> Insulation Cores:Pairs P1:Blue & White      P2:Orange & White P3:Green & White      P4:Brown & White Jacket-Grey		<table border="1"> <tr> <td colspan="2">Conductor Resistance</td> <td><math>\Omega</math>/km</td> <td>&lt;93.8</td> </tr> <tr> <td colspan="2">Insulation shrinkback</td> <td></td> <td>121°Cx1hr</td> </tr> <tr> <td colspan="2">Insulation cold bend</td> <td></td> <td>-20°Cx4hr</td> </tr> <tr> <td colspan="2">Jacket cold bend</td> <td></td> <td>-20°Cx4hr</td> </tr> </table>				Conductor Resistance		$\Omega$ /km	<93.8	Insulation shrinkback			121°Cx1hr	Insulation cold bend			-20°Cx4hr	Jacket cold bend			-20°Cx4hr												
Conductor Resistance		$\Omega$ /km	<93.8																														
Insulation shrinkback			121°Cx1hr																														
Insulation cold bend			-20°Cx4hr																														
Jacket cold bend			-20°Cx4hr																														
benging test MAX.pulling																																	

Designed By:

Date:

Approved By:

Date:

71024112