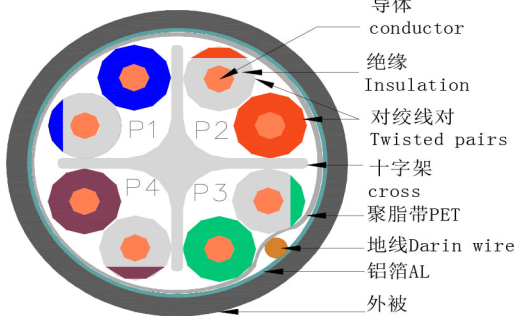


Customer:																																																						
PRODUCT SPECIFICATION: #23 1/0.57Bx4P CAT6A PATCH CORD																																																						
Cross Section		Performance																																																				
		<p>ELECTRICAL CHARACTERISTICS (20°C)</p> <p>MAX. CONDUCTOR DC RESISTANCE (/KM) #23:138</p> <p>MIN. INSULATION RESISTANCE (/KM) PE:100M</p> <p>DIELECTRIC STRENGTH AC-500V/1 MIN NO BREAKDOWN</p> <p>D-C RESISTANCE UNBALANCE:MAX2%</p> <p>PAIR-TO-GROUND CAPACITANCE UNBALANCE:MAX. 330PF/100M</p> <p>INPUT IMPEDANCE: 4-100MHZ 100+/-15ohm</p> <p style="padding-left: 150px;">100-250MHZ 100+/-22ohm</p> <p>MEAN CHARATREISTIC IMPEDANCE@100MHZ: 100+/-5 OHMS</p> <p>NOMINALE VELOCITY OF PROPAGETION(NVP) 68+/-2%</p> <p>PROPAGATION DELAY @ 100MHZ ≧537.6 ns/100M</p> <p>PROPAGATION DELAY SKEW:MAX. ≧45ns/100M</p> <p>PREQUENCY RANGE MINIMUM REQUIREMENTS(EQUATIONS)</p> <p>INSERTION LOSS 4-250MHZ IEC61156-6:EQUATION(2). CONSTANT VALUES SEE TABLE 4 CAT. 6</p> <p>RETURN LOSS 4-250MHZ IEC61156-6:SEE TABLE 10</p> <p>INPUT IMPEDANCE 4-250MHZ IEC61156-6:SEE TABLE 10</p> <p>NEXT 4-250MHZ IEC61156-6:EQUATION(6), CONSTANT VALUES SEE TABLE 6 CAT. 6</p> <p>PS NEXT 4-250MHZ IEC61156-6:EQUATION(5), CONSTANT VALUES SEE TABLE 6 CAT. 6</p> <p>ELFEXT 4-250MHZ IEC61156-6:EQUATION(7), CONSTANT VALUES SEE TABLE 6 CAT. 6</p> <p>PS ELFEXT 4-250MHZ IEC61156-6:EQUATION(7), CONSTANT VALUES SEE TABLE 6 CAT. 6</p>																																																				
Marking																																																						
Jacket																																																						
Jacket Marking:																																																						
Construccion																																																						
Conductor	Bare Copper																																																					
4 Twisted Pair	8C																																																					
AWG	23																																																					
Construction (MM)	1/0.57 ± 0.008																																																					
Standard Dia. (MM)	0.6																																																					
Insulation	PE																																																					
Nom. Thickness (MM)	0.18																																																					
Insulation Dia. (±0.005MM)	0.945/0.975																																																					
Sepaiaior	PE Cross																																																					
Taping/Braid	AL/PET																																																					
Overlap(%)	25%																																																					
Darin wire	1/0.5TC																																																					
Jacket	PVC																																																					
Nom. Thickness (MM)	0.58																																																					
Outer Dia. (±0.2MM)	7.2																																																					
Color																																																						
Insulation																																																						
Cores:Pairs																																																						
P1:Blue & WH/BL	P2:Orange & Wh/OR																																																					
P3:Green & Wh/GRN	P4:Brown & Wh/BRN																																																					
Jacket																																																						
benging test																																																						
MAX. pulling																																																						
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="6" style="text-align: center; vertical-align: middle;">Physical Properties</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">Insulation</td> <td>Tens strength (before aging)</td> <td style="text-align: center;">Kgf/mm²</td> <td style="text-align: center;">>1.68</td> </tr> <tr> <td>Tens strength (after aging)</td> <td style="text-align: center;">Kgf/mm²</td> <td></td> </tr> <tr> <td>Elongation (before aging)</td> <td style="text-align: center;">%</td> <td style="text-align: center;">>300%</td> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">Jacket</td> <td>Elongation (after aging)</td> <td style="text-align: center;">%</td> <td></td> </tr> <tr> <td>Tens strength (before aging)</td> <td style="text-align: center;">Kgf/mm²</td> <td style="text-align: center;">>1.41</td> </tr> <tr> <td>Tens strength (after aging)</td> <td style="text-align: center;">Kgf/mm²</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Elongation (before aging)</td> <td style="text-align: center;">%</td> <td style="text-align: center;">>100%</td> </tr> <tr> <td colspan="2"></td> <td>Elongation (after aging)</td> <td style="text-align: center;">%</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Conductor Resistance</td> <td style="text-align: center;">Ω/km 20°C</td> <td style="text-align: center;"><93.8</td> </tr> <tr> <td colspan="2"></td> <td>Insulation shrinkback</td> <td></td> <td style="text-align: center;">121°C x1hr</td> </tr> <tr> <td colspan="2"></td> <td>Insulation cold bend</td> <td></td> <td style="text-align: center;">-20°C x4hr</td> </tr> <tr> <td colspan="2"></td> <td>Jacket cold bend</td> <td></td> <td style="text-align: center;">-20°C x4hr</td> </tr> </table>		Physical Properties	Insulation	Tens strength (before aging)	Kgf/mm ²	>1.68	Tens strength (after aging)	Kgf/mm ²		Elongation (before aging)	%	>300%	Jacket	Elongation (after aging)	%		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°C x1hr			Insulation cold bend		-20°C x4hr			Jacket cold bend		-20°C x4hr
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Designed By:
Date:

Approved By:
Date: