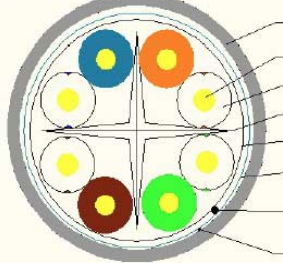




Description	Cross section																																		
<p>Annealed Bare Copper PE insulation Filler, Al/PET Shield, LSZH Jacket CPR-Eca, Dca</p> <p>Reference Standard : TIA/EIA-568-C.2, ISO/IEC11801</p> <p>Working Temperature Range -20°C~70°C Min. Installation Temperature 0°C</p>	 <p>Jacket Conductor Insulation Filler Tape A Tape B Drain Wire Rip cord</p>																																		
Construction	Electrical characteristic(20°C)																																		
<p>Conductor: Material Annealed Bare Copper Nominal diameter(mm) 0.57mm±0.01mm</p> <p>Insulation: Material PE Nom/Min Thickness(mm): 0.26/0.24 Insulation Diameter(mm): 1.12±0.05</p> <p>Twisted pair: Pair No Insulation Color Codes</p> <table border="0"> <tr> <td>1.</td> <td>White/Blue(Strip)</td> <td>Blue</td> </tr> <tr> <td>2.</td> <td>White/Orange(Strip)</td> <td>Orange</td> </tr> <tr> <td>3.</td> <td>White/Green(Strip)</td> <td>Green</td> </tr> <tr> <td>4.</td> <td>White/Brown(Strip)</td> <td>Brown</td> </tr> </table> <p>Pair Twist Lay Length ≤ 25mm</p> <p>Cabling Stranding construction 1*4 Filler PE</p> <p>Tape A Material PET tape Shielding Tape B Material Al/PET Shield Electric Side: Toward inside Al Foil Thickness: ≥0.06mm Drain Wire Diameter(mm): 0.40±0.01</p> <p>Jacket Material LSZH Color: Gray or Blue Thickness: 0.55±0.1mm Jacket Diameter(mm): 7.5±0.4 Rip Cord: 630D</p>	1.	White/Blue(Strip)	Blue	2.	White/Orange(Strip)	Orange	3.	White/Green(Strip)	Green	4.	White/Brown(Strip)	Brown	<p>1. Conductor DC Resistance ≤75Ω/km 2. Resistance Unbalance ≤2% 3. Dielectric Strength Between Wires DC 1000V 1min 4. Insulation DC Resistance Between wires: ≥5000MΩ·km 5. Transmission Properties Fluke CAT6A Channel or Permanent Link test.</p> <p>Physical Properties</p> <table border="0"> <tr> <td>1. Insulation tensile strength</td> <td>≥ 16.5MPa</td> </tr> <tr> <td>2. Insulation elongation</td> <td>≥ 300%</td> </tr> <tr> <td> Aging condition</td> <td>100°C±2°C, 48h</td> </tr> <tr> <td>3. Aged Insulation tensile strength</td> <td>≥75% of Unaged</td> </tr> <tr> <td>4. Aged Insulation elongation</td> <td>≥75% of Unaged</td> </tr> <tr> <td>5. Jacket tensile strength</td> <td>≥10MPa</td> </tr> <tr> <td>6. Jacket elongation</td> <td>≥ 125%</td> </tr> <tr> <td> Aging condition</td> <td>100°C±2°C, 168h</td> </tr> <tr> <td>7. Aged Jacket tensile strength</td> <td>≥8MPa</td> </tr> <tr> <td>8. Aged Jacket elongation</td> <td>≥ 100%</td> </tr> <tr> <td>9. Environment Requirements</td> <td>Meet the standard of RoHS</td> </tr> </table>	1. Insulation tensile strength	≥ 16.5MPa	2. Insulation elongation	≥ 300%	Aging condition	100°C±2°C, 48h	3. Aged Insulation tensile strength	≥75% of Unaged	4. Aged Insulation elongation	≥75% of Unaged	5. Jacket tensile strength	≥10MPa	6. Jacket elongation	≥ 125%	Aging condition	100°C±2°C, 168h	7. Aged Jacket tensile strength	≥8MPa	8. Aged Jacket elongation	≥ 100%	9. Environment Requirements	Meet the standard of RoHS
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