



## Network Cable Copper

### LinkIT ColorFlex U/UTP Cat6a Grey 0.5m

SlimPatch | AWG 28 | LSZH | OD 5.2mm

Product number: LI-SC6AUUTP-CF-005G

## Product Description

This solution is optimal for environments requiring high-density cabling, such as data centers and server rooms. The cable has an outer diameter of 3.6 mm, making it ideal for space-saving installations. Using colorful clips, cables can be easily organized and identified, simplifying maintenance and troubleshooting. To ensure that the cabling meets the highest standards for performance and reliability, the Fluke DSX-8000 Channel Test is utilized. This tool verifies cable installations and contributes to optimal network performance. Additionally, the solution is designed to ensure better airflow and cooling performance, reducing the risk of overheating and improving the overall performance and lifespan of the equipment

## Main Specifications

<b>Brand</b>	LinkIT
<b>Color</b>	Grey
<b>Length (m)</b>	0,5
<b>Category</b>	Cat.6a Slim
<b>Connector type 1</b>	RJ-45 male (8P8C)
<b>Connector type 2</b>	RJ-45 male (8P8C)
<b>Conductor material</b>	Copper
<b>Cable shielding</b>	U/UTP - unshielded/unshielded twisted pairs
<b>Conductor design</b>	Stranded



## Extended Specifications

<b>AWG wire size</b>	28
<b>Transmission speed</b>	10Gbps
<b>Frequency (Mhz)</b>	500
<b>Cable structure</b>	4 x 2 AWG 28/7 (Stranded)
<b>Jacket material</b>	LSZH
<b>Anti-kink sleeve</b>	Moulded PVC
<b>Operating Temperature</b>	-20°C ~ 60°C
<b>Cable Diameter (mm)</b>	3.6
<b>Halogenfree</b>	✓
<b>Fire retardant version</b>	✓
<b>Core color 1</b>	Orange
<b>Core color 2</b>	Blue
<b>Core color 3</b>	Green
<b>Core Color 4</b>	Brown
<b>Temperature</b>	0°C ~ 50°C
<b>Certifications</b>	CE, REACH, RoHS

## Single packaging

<b>Unit</b>	PCE
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# Dimensional Sketches

RoHS COMPLIANT		REVISION INFORMATION																							
Resc.	Resc. Date	Modified By	Brief Description																						
<p><b>Overview</b></p> <ul style="list-style-type: none"> <li>Bandwidth: 500MHz</li> <li>OD: 3.6mm</li> <li>Conductor: 28AWG</li> <li>Approvals: RoHS</li> <li>Connector: 50U" Gold Plated RJ45 Connector</li> </ul> <p><b>Physical Characteristics</b></p> <ul style="list-style-type: none"> <li>Cable Type – CAT6A UTP</li> <li>Connector Type(s) – RJ45</li> <li>Wiring Schema – T568B</li> <li>Temperature Rating                             <ul style="list-style-type: none"> <li>Installation: 0°C-50°C</li> <li>Operation: -20°C-80°C</li> </ul> </li> <li>Voltage Rating – 30V</li> </ul> <p><b>Conductor (Qty. 4 twisted pair)</b></p> <ul style="list-style-type: none"> <li>Conductor Type – 28AWG(7/0.12±0.008MM), 8 stranded BC</li> <li>Insulation – HDPE</li> <li>Diameter – 0.80±0.05mm</li> <li>Pair Identification:                             <ul style="list-style-type: none"> <li>Pair1=Orange, Orange-White</li> <li>Pair2=Blue, Blue-White</li> <li>Pair3=Green, Green-White</li> <li>Pair4=Brown, Brown-White</li> </ul> </li> </ul> <p><b>Connector Type (Qty. 2)</b></p> <ul style="list-style-type: none"> <li>Connector Type – 8P8C (RJ45)</li> <li>Gender – Male</li> <li>Connector Material – PC</li> <li>Contact Material – Copper Alloy, Gold Plating – 50µm</li> <li>Hood Material – PVC MOLDED BOOT</li> </ul> <p><b>Overall Cable</b></p> <ul style="list-style-type: none"> <li>Jacket – LSZH</li> <li>Minimum Average Thickness – 0.80mm</li> <li>Outer Diameter – 3.6 ± 0.2mm</li> </ul> <p><b>Electrical Characteristics</b></p> <ul style="list-style-type: none"> <li>Conductor DC Resistance – 11.25Ω/100m (maximum)</li> <li>Impedance – 100Ω</li> <li>Capacitance – 5600pF/100m</li> <li>Propagation Delay – 545ns/100m (maximum)</li> <li>Delay Skew – 45ns/100m (maximum)</li> <li>Pass Fluke DSX 8000 Channel Test</li> </ul>																									
<p><b>4 COLORFUL CLIPS</b></p>		<p><b>TOLERANCE GENERALES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LENGTH(M)</th> <th>0&lt;L&lt;1</th> <th>1≤L&lt;2</th> <th>2≤L&lt;5</th> <th>5≤L&lt;10</th> <th>L≥10</th> </tr> </thead> <tbody> <tr> <td>TOLERANCE</td> <td>+35/-15mm</td> <td>+35/-20mm</td> <td>+35/-30mm</td> <td>±50mm</td> <td>±90mm</td> </tr> </tbody> </table>				LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10	TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±90mm								
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