



# Fully Shielded CAT 6 Patch Cord

Stranded bare copper conductors insulated with polyolefin. Two insulated conductors twisted together. Four such pairs cabled to form the basic unit. Tinned copper braiding overall the 4pairs.

A cross filler is cabled in between to separate the 4 pairs insulated conductors. The patch cord is supported by a drain wire to allow for grounding of any excess voltage on the link. Overall jacket with flame-retardant LSZH compound.



## COMPANION PRODUCTS

Consider these related Infilink products as factors in your network planning:

- Infilink Shielded Patch Panels
- Infilink Shielded Cat 6 Cable
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink FTP 6 Keystone

CABLE DESCRIPTION																																			
<b>1 - CONDUCTOR</b>																																			
	Size	26AWG 7/0.165																																	
	Type	Stranded bare copper																																	
	Diameter	0.495± 0.008mm																																	
<b>2 - INSULATION</b>																																			
	Type	polyolefin																																	
	Diameter (mm)	0.98 ± 0.02																																	
	Average thickness (mm)	0.24																																	
<b>3 - PAIRS</b>																																			
	Color code	Pair 1 -	Blue / White – blue strip																																
		Pair 2 -	Orange / White – orange strip																																
		Pair 3 -	Green / White – green strip																																
		Pair 4 -	Brown / White –brown strip																																
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>568B-568B Connect point</p> <table border="1" style="font-size: small;"> <thead> <tr> <th>J1</th> <th>COLOR</th> <th>J2</th> </tr> </thead> <tbody> <tr><td>1</td><td>WHITE</td><td>1</td></tr> <tr><td>2</td><td>ORANGE</td><td>2</td></tr> <tr><td>3</td><td>WHITE</td><td>3</td></tr> <tr><td>4</td><td>BLUE</td><td>4</td></tr> <tr><td>5</td><td>WHITE</td><td>5</td></tr> <tr><td>6</td><td>GREEN</td><td>6</td></tr> <tr><td>7</td><td>WHITE</td><td>7</td></tr> <tr><td>8</td><td>BROWN</td><td>8</td></tr> <tr><td>SHELL</td><td>DRAIN</td><td>SHELL</td></tr> </tbody> </table> </div> <div> <p>pair — 1</p> <p>pair — 2</p> <p>pair — 3</p> <p>pair — 4</p> </div> </div>						J1	COLOR	J2	1	WHITE	1	2	ORANGE	2	3	WHITE	3	4	BLUE	4	5	WHITE	5	6	GREEN	6	7	WHITE	7	8	BROWN	8	SHELL	DRAIN	SHELL
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<b>4 - SHIELD</b>																																			
	Type	Mylar																																	
	Type	Aluminum Polyester Tape																																	
	Drain wire	Tinned copper																																	
	Type (Overall Shielded)	Tinned Copper 60% Braiding																																	
<b>5 - JACKET</b>																																			
	Type	LSZH																																	
	Overall Diameter (mm)	6.87± 0.3																																	
	Avg. thickness (mm)	0.52																																	
	Min. thickness (mm)	0.47																																	
	Color	Grey																																	
	NO.	DESCRIPTION	MATERIAL	FINISH	Q'TY																														
	1	50u RJ45 PLUG (SHIELDED)	PC		2																														
	2	CABLE	LSZH	CAT 6 SF-UTP PATCH CORD	1																														
	3	MOLDING S.R	PVC		2																														
	4	MAGIC BAND	PVC		2																														

## FOR PRODUCTS INFORMATION

World Wide Web

<http://www.infilinktechnologies.com>

E-mail

[customercare@infilinktechnologies.com](mailto:customercare@infilinktechnologies.com)

U.S. and Canada - Tel

(415) 482-6681



**S**  
Shielded Series

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### TECHNICAL DATA – PHYSICAL

<b>1. Flame retardant test</b>	IEC 332-1	
<b>2. Dielectric strength</b>	AC 1.7 KV for 2 s	
<b>3. Insulation</b>	<b>Before Aging</b>	<b>After aging</b>
<b>Min. Tension strength (psi)</b>	2400	75% before aging (100°C X 48hrs)
<b>Min elongation (%)</b>	300	75% before aging (100°C X 48hrs)
<b>4. Jacket</b>		
<b>Min. Tension strength (psi)</b>	1300	85% before aging (100°C X 168hrs)
<b>Min elongation (%)</b>	100	50% before aging (100°C X 168hrs)
<b>5. Min. bending radius (mm)</b>	70	
<b>6. Installation temperature</b>	0°C to +50°C	
<b>7. Operating temperature</b>	-10°C to +60°C	

### TECHNICAL DATA – ELECTRICAL

<b>1. Max. conductor resistance (<math>\Omega</math>/km @ 20°C)</b>	145	
<b>2. Max. DC resistance unbalance (%)</b>	4	
<b>3. Max. mutual capacitance (pF/m)</b>	58	
<b>4. Max. pair-to-ground capacitance unbalance (pF/km)</b>	1600	
<b>5. Input Impedance (<math>\Omega</math>)</b>	100 $\pm$ 15%	1 $\leq$ f $\leq$ 250MHz

### Order Codes

Infilink Fully Shielded CAT 6 Patch Cord **IP-PCSF6**

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E-mail

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