

**Contact**

Copper LAN Product Inquiry  
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## HyperPlus 5e Patch

HyperPlus 5e Patch

Part Number: 10032716

Berk-Tek's HYPER PLUS 5e Standard Category 5e UTP Cables are designed for patch cords between data communication equipment.

### Description

#### Construction

24 AWG stranded tinned copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit, jacketed with flame-retardant PVC.

#### Standards

North American: ANSI/TIA/EIA-568-C.2 Category 5e, UL 444 and C22.2 No.214-02

International: ISO/IEC 11801 2nd Edition Category 5, EU Directive 2002/95/EC (RoHS)

#### Flame Rating

Patch - UL 1685, CM

#### Applications

Berk-Tek's Hyper Plus 5e Standard Category 5e UTP cable is intended for high speed data applications up to 100 MHz including:

- IEEE 802.3 1000BASE-T 1 Gb/s
- ATM 155 Mb/s 155 Mb/s
- IEEE 802.3 100BASE-TX 100 Mb/s
- CDDI 100 Mb/s
- IEEE 802.3 10BASE-T 10 Mb/s

#### Features

- Supports most data and voice applications
- ETL Verified to TIA/EIA-568-B.2 Category 5e

#### Benefits

- Universally accepted design for global commercial network installations
- Simplified structured cabling solution preserving long-term network investment

### Standards

National ANSI/TIA-568-C.2; UL 444

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**Characteristics**

<b>Construction characteristics</b>	
Colour	White
<b>Dimensional characteristics</b>	
Length per reel	1000.0 ft
Number of pairs	4
<b>Usage characteristics</b>	
Packaging	Reel
Field of application	Indoor
Category	Cat. 5e
Fire safety	CM

**Technical Data - Physical**

Technical Data - Physical			Color Code		
			<b>Pair-1</b>	<b>White/Blue</b>	<b>Blue</b>
			<b>Pair-2</b>	<b>White/Orange</b>	<b>Orange</b>
			<b>Pair-3</b>	<b>White/Green</b>	<b>Green</b>
			<b>Pair-4</b>	<b>White/Brown</b>	<b>Brown</b>
			<b>Temperature Rating</b>		
			<b>Installation</b>	0°C to +50°C	
			<b>Operation</b>	-20°C to +75°C	
<b>Conductor</b>	24 AWG Stranded TC				
<b>Conductor diameter—in. (mm)</b>	0.024	(0.61)			
<b>Insulated Conductor Diameter- in. (mm)</b>	0.04	(1.02)			
<b>Cable diameter—in. (mm)</b>	0.215	(5.5)			
<b>Nominal cable weight—lb./kft. (kg/km)</b>	23	(34)			
<b>Max. installation tension—lb. (N)</b>	25	(110)			
<b>Min. bend radius—in. (mm)</b>	1	(25.4)			

**Technical Data - Parametric Measurements**

<b>Mutual Capacitance</b>	5.6 nF/100 m max.
<b>DC resistance</b>	9.09 Ohms/100 m max.
<b>Skew</b>	45 ns/100 m max.
<b>Pair to ground Unbalance</b>	330 pF/100 m max.
<b>Velocity of Propagation</b>	70% nom.
<b>Input Impedance</b>	100 ± 15% 1-100 MHz
<b>DC Resistance Unbalance:</b>	5% max.

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### Technical data - Electrical

FREQ MHz	SRL (dB)	RL (dB)	IL (dB/100m)	PS-NEXT (dB)	NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)
	min.	min.	max.	min.	min.	min.	min.
1	25.0	20.0	2.4	62.3	66.3	63.8	60.8
4	25.0	23.0	4.9	53.3	57.3	51.7	48.7
10	25.0	25.0	7.8	47.3	51.3	43.8	40.8
16	25.0	25.0	9.9	44.3	48.3	39.7	36.7
20	25.0	24.2	11.1	42.8	46.8	37.7	34.7
31.25	24.2	23.3	14.1	39.9	43.9	33.9	30.9
62.5	20.7	20.7	20.4	35.4	39.4	27.8	24.8
100	19.0	19.0	26.4	32.3	36.3	23.8	20.8

### Selling information

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