

Contact

Copper LAN Product Inquiry
Phone: 717-354-6200
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HyperPlus 5e Patch

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

HyperPlus 5e Patch

Characteristics

Construction characteristics	
Type of cable	UTP
Dimensional characteristics	
Length per reel	1000.0 ft
Number of pairs	4
Usage characteristics	
Field of application	Indoor
Category	Cat. 5e
Fire safety	CM

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description	Colour	Packaging
📦 10032718	HyperPlus 5e Patch	Grey	Reel
📦 10032719	HyperPlus 5e Patch	Grey	Box
📦 10032705	HyperPlus 5e Patch	Black	Reel
📦 10032706	HyperPlus 5e Patch	Black	Box
📦 10032707	HyperPlus 5e Patch	Red	Reel
📦 10032708	HyperPlus 5e Patch	Red	Box
📦 10032709	HyperPlus 5e Patch	Green	Reel
📦 10032710	HyperPlus 5e Patch	Green	Box
📦 10034057	HyperPlus 5e Patch	Orange	Reel
📦 10066623	HyperPlus 5e Patch	Brown	Reel
📦 10032711	HyperPlus 5e Patch	Yellow	Reel
📦 10032712	HyperPlus 5e Patch	Yellow	Box
📦 10032713	HyperPlus 5e Patch	Blue	Reel
📦 10032714	HyperPlus 5e Patch	Blue	Box
📦 10032715	HyperPlus 5e Patch	Violet	Reel
📦 10032716	HyperPlus 5e Patch	White	Reel
📦 10032717	HyperPlus 5e Patch	White	Box
📦 10033590	HyperPlus 5e Patch	Pink	Reel
📦 10083500	HyperPlus 5e Patch	Pink	Box

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Technical Data - Physical

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

Technical Data - Parametric Measurements

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

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 delivery information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.