Contact
Copper LAN Product Inquiry
Phone: 717-354-6200
berktek.support@nexans.com

HyperPlus 5e Patch

HyperPlus 5e Patch
Part Number: 10032705

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 EditionCategory 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

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

Technical Data - Physical

Technical Data - Physical		
Conductor	24 AWG Stranded TC	
Conductor diameter–in. (mm)	0.024	(0.61)
Insulated Conductor Diameter- in. (mm)	0.04	(1.02)
Cable diameter–in. (mm)	0.215	(5.5)
Nominal cable weight–lb./kft. (kg/km)	23	(34)
Max. installation tension–lb. (N)	25	(110)
Min. bend radius–in. (mm)	1	(25.4)

Color Code		
Pair-1	**White/Blue**	**Blue**
Pair-2	**White/Orange**	**Orange**
Pair-3	**White/Green**	**Green**
Pair-4	**White/Brown**	**Brown**

Temperature Rating	
Installation	0°C to +50°C
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.

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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

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.