Berk-Tek®
A NEXANS COMPANY

Contact
Copper LAN Product Inquiry
Phone: 717-354-6200
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HyperPlus 5e Patch
HyperPlus 5e Patch
Part Number: 10034057

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

Description

Standards

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

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

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Characteristics

Construction characteristics	
Colour	Orange
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

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