

Contact

Copper LAN Product Inquiry
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HyperPlus 5e Patch

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Part Number: 10032718

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

Construction characteristics	
Colour	Grey
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			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.

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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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