Category 3 Plenum

Berk-Tek's Category 3 UTP cables are designed for voice applications. This Category 3, 4 pair UTP cable is tested and guaranteed to meet ANSI/TIA/EIA-568-B.2, horizontal cabling requirements.

Description

Construction

24 AWG bare copper wire insulated with thermoplastic. Two insulated conductors twisted together to form a pair and four such pairs are cabled and jacketed with flame-retardant PVC.

Standards

European EN 50173

North American ANSI/TIA/EIA-568-B.2

Flame Rating

Plenum-NFPA 262, CMP

Applications

Berk-Tek's LAN-Grade Category 3 UTP cable is intended for voice and data applications up to 16 MHz including:

Token Ring, Ethernet, 10BASE-T, 100BASE-TX, 100BASE-VG AnyLAN, Voice

Features

- Standard flame-retardant PVC or low smoke zero halogen jacket construction
- Supports 10BASE-T, Token Ring, Voice, 100VG-AnyLAN, Telephony

Benefits

- Universally accepted design for global commercial network installations
- Simplified structured cabling solution
- Warrantied, trouble-free cabling installation and maintenance

Standards
National TIA/EIA-568-B.2

Contact
Copper Product Inquiry
United States
Phone: 717-354-6200
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copper-pc.us@nexans.com

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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Characteristics

Dimensional characteristics	
Length per reel	1000.0 ft
Number of pairs	4
Usage characteristics	
Fire safety	Plenum Rated

Color Code

Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown

Technical Data - Electrical

FREQUENCY	INSERTION LOSS	NEXT	SRL
MHz	**dB/100 m max.**	**dB min.**	**dB min.**
1	2.6	41.3	12
4	5.6	32.3	12
10	9.7	26.3	12
16	13.1	23.3	10

Temperature Rating

Installation	0°C to +50°C
Operation	-10°C to +60°C

Technical Data - Physical

	CMP	
Conductor diameter - in. (mm)	0.02	(0.52)
Cable diameter - in. (mm) [horizontal]	0.16	(4.1)
Nominal cable weight - lb./kft. (kg/km)	19	(28)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - operation - in. (mm)	1	(25.4)

Parametric Measurements

Mutual Capacitance	6.6 nF/100 m nom.
DC resistance	9.38 Ohms/100 m max.

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Skew	25 ns/100 m
Velocity of Propagation	57% nom. Plenum
Characteristic Impedance	100 ± 15 Ohms

Product List

Berk-Tek P/N	Description	Colour	Packaging
10032039	Category 3 Plenum	Grey	Reel
10032040	Category 3 Plenum	Grey	Box
10032048	Category 3 Plenum	Green	Reel
10032049	Category 3 Plenum	Green	Box
10032050	Category 3 Plenum	Yellow	Reel
10032051	Category 3 Plenum	Yellow	Box
10089345	Category 3 Plenum	Black	Reel
10033469	Category 3 Plenum	Black	Box
10032046	Category 3 Plenum	White	Reel
10032047	Category 3 Plenum	White	Box
10032030	Category 3 Plenum	Blue	Reel
10032031	Category 3 Plenum	Blue	Box
10032248	Category 3 Plenum	Red	Reel
10032037	Category 3 Plenum	Red	Box
10032024	Category 3 Plenum	Violet	Box
10043171	Category 3 Plenum	Pink	Box

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