

Multi-Pair Category 3

Berk-Tek's Category 3 UTP Power Sum cables are designed for use in voice applications. These cables are used to support building backbone service. They also can be used for interconnecting satellite wiring closets.

Description

Construction

24 AWG) bare copper wire insulated with thermoplastic. Three layer core construction jacketed in flameretardant PVC.

Standards

European EN 50173

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

Flame Rating

Non-plenum-UL 1666, CMR, CMG, IEC 332-1

Plenum-NFPA 262, CMP

Applications

Berk-Tek's Multi-Pair Category 3 UTP Power Sum Backbone cables are intended for data and voice applications including:

Ethernet 10BASE-T

Token Ring 4 Mb/s

Voic

Features

- UL verified ANSI/TIA/EIA-568-B.2 Category 3 Backbone Cable
- Supports 10BASE-T, Token Ring and Voice
- Ideally suited for backbone, cross-connect and pre-connectorized assemblies

Benefits

- Assurance that every link will meet the most demanding transmission requirements
- Simplified structured cabling solution preserving long-term network investment



Standards

National TIA/EIA-568-B.2

Contact

Copper Product Inquiry

United States

Phone: 717-354-6200

Fax: 717-354-7944

copper-pc.us@nexans.com

Multi-Pair Category 3

Characteristics

Dimensional characteristics

Length per reel 1000.0 ft

Technical Data - Electrical

FREQUENCY (Mhz)	INSERTION LOSS (dB/100m max)	SRL (dB min)	PS-NEXT (dB min)
1	2.6	12	41.3
4	5.6	12	32.3
10	9.8	12	26.3
16	13.1	10	23.3

Technical Data - Physical

	25 PR (CMR)	25 PR (CMP)	50 PR (CMR)	50 PR (CMP)	100 PR (CMR)
Mutual Capacitance, nF/100 m nom.	6.6	6.6	6.6	6.6	6.6
DC Resistance, Ohms/100 m max.	9.4	9.4	9.4	9.4	9.4
Conductor diameter-in. (mm)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)
Cable diameter-in. (mm)	.390 (9.9)	.382 (9.7)	.525 (13.3)	.496 (12.59)	.895 (22.72)
Nominal cable weight lb/k ft.(kg/km)	97 (144)	100 (148)	196 (290)	198 (293)	387 (573)
	100 PR (CMP)	200 PR (CMR)	200 PR (CMP)	300 PR (CMR)	300 PR (CMP)
Mutual Capacitance, nF/100 m nom.	6.6	6.6	6.6	6.6	6.6
DC Resistance, Ohms/100 m max.	9.4	9.4	9.4	9.4	9.4
Conductor diameter-in. (mm)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)	0.02 (0.51)
Cable diameter-in. (mm)	.889 (22.57)	1.123 (28.51)	1.012 (25.69)	1.314 (33.36)	1.27 (32.25)
Nominal cable weight lb/k ft. (kg/km)	395 (585)	691 (1023)	691 (1023)	1226 (1814)	1226 (1814)

Color Code

Pair 1	White/Blue	Blue/White	Pair 13	Black/Green	Green/Black
Pair 2	White/Orange	Orange/White	Pair 14	Black/Brown	Brown/Black
Pair 3	White/Green	Green/White	Pair 15	Black/Gray	Gray/Black
Pair 4	White/Brown	Brown/White	Pair 16	Yellow/Blue	Blue/Yellow
Pair 5	White/Gray	Gray/White	Pair 17	Yellow/Orange	Orange/Yellow
Pair 6	Red/Blue	Blue/Red	Pair 18	Yellow/Green	Green/Yellow
Pair 7	Red/Orange	Orange/Red	Pair 19	Yellow/Brown	Brown/Yellow
Pair 8	Red/Green	Green/Red	Pair 20	Yellow/Gray	Gray/Yellow
Pair 9	Red/Brown	Brown/Red	Pair 21	Violet/Blue	Blue/Violet
Pair 10	Red/Gray	Gray/Red	Pair 22	Violet/Orange	Orange/Violet
Pair 11	Black/Blue	Blue/Black	Pair 23	Violet/Green	Green/Violet
Pair 12	Black/Orange	Orange/Black	Pair 24	Violet/Brown	Brown/Violet
			Pair 25	Violet/Gray	Gray/Violet

Multi-Pair Category 3

Temperature Rating

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

Product List

Berk-Tek P/N	Description	Type of cable	Colour	Number of pairs	Packaging
10032113	100 Pair Category 3 Plenum	UTP	Grey	100	Reel
10032472	100 Pair Category 3 Riser	UTP	Grey	100	Reel
10032123	200 Pair Category 3 Plenum	UTP	Grey	200	Reel
10032493	200 Pair Category 3 Riser	UTP	Grey	200	Reel
10032036	25 Pair Category 3 Plenum	UTP	Blue	25	Reel
10032111	25 Pair Category 3 Plenum	UTP	Grey	25	Reel
10032396	25 Pair Category 3 Riser	UTP	Grey	25	Reel
10032124	300 Pair Category 3 Plenum	UTP	Grey	300	Reel
10032494	300 Pair Category 3 Riser	UTP	Grey	300	Reel
10032112	50 Pair Category 3 Plenum	UTP	Grey	50	Reel
10032471	50 Pair Category 3 Riser	UTP	Grey	50	Reel