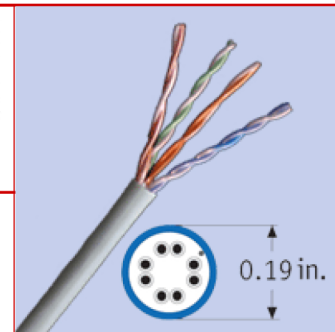


The NEW Berk-Tek LANmark-6 features a reduced diameter compared to other category 6 UTP cables. This is an ANSI/TIA/EIA category 6 verified cable, constructed without the center spline for easy installation and termination. LANmark-6 is capable of transmitting applications such as 1000BASE-T. It is ideal for network applications that extend to 250 MHz. LANmark-6 is available in both CMP and CMR and conforms to ANSI/TIA/EIA 568-B.2-1 Category 6 and ISO/IEC 11801 2nd Edition Class E Category 6 requirements.



Description

Construction: 23 AWG bare copper wire insulated with FEP. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit, jacketed with flame-retardant PVC.

Technical Data - Parametric Measurements

Mutual Capacitance	5.6 nF/100 m max.
DC resistance	9.38 Ohms/100 m max.
Skew	45 ns/100 m max.
Pair to ground Unbalance	330 pF/100 m max.
Velocity of Propagation	72% nom.
DC Resistance Unbalance	5% max.

Standards:

- North American: ANSI/TIA/EIA-568-B.2-1 Category 6, UL 444 and C22.2 No. 214-02
- International: ISO/IEC 11801 2nd Edition Category 6, EU Directive 2002/95/EC (RoHS)

Flame Rating:

Plenum -NFPA 262, CMP

UL Listed

Applications: Berk-Tek's LANmark-6 UTP cable is intended for high speed data applications including:

- IEEE 802.3 1000BASE-T 1 Gb/s
- TIA/EIA-854 1000BASE-TX 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

- Inexpensive compact design with no center spline and an OD of 0.190 inches
- Meets the requirements of ANSI/TIA/EIA-568-B.2-1
- Usable bandwidth up to 250 MHz
- Delivered in compact, strong, easy to identify boxes

Benefits

- Simplified installation
- Cost effective, entry level category 6 solution
- Superior box design allows cable to be pulled easily from the box with minimum kinking
- Compact box design takes up less shelf space.
- Characterized to 500 Mhz, 250 MHz greater than the standard

Part Number	Description	Colour	Packaging
10136265	NEW LANmark-6 UTP Plenum	White	Reel
10136230	NEW LANmark-6 UTP Plenum	White	Box
10136749	NEW LANmark-6 UTP Plenum	Yellow	Box
10136751	NEW LANmark-6 UTP Plenum	Yellow	Reel
10137364	NEW LANmark-6 UTP Plenum	Violet	Box
10177147	NEW LANmark-6 UTP Plenum	Pink	Reel
10136748	NEW LANmark-6 UTP Plenum	Green	Box
10136750	NEW LANmark-6 UTP Plenum	Green	Reel
10137365	NEW LANmark-6 UTP Plenum	Red	Box
10141073	NEW LANmark-6 UTP Plenum	Orange	Box
10188830	NEW LANmark-6 UTP Plenum	Black	Box
10188807	NEW LANmark-6 UTP Plenum	Black	Reel

Technical Data - Physical

Technical Data - Physical			Color Code		
Conductor	23 AWG Bare Copper		Pair-1	White/Blue	Blue
Conductor diameter-in. (mm)	0.022	(0.56)	Pair-2	White/Orange	Orange
Insulated Conductor Diameter- in. (mm)	0.037	(0.94)	Pair-3	White/Green	Green
Cable diameter-in. (mm)	0.19	(4.8)	Pair-4	White/Brown	Brown
Nominal cable weight-lb./kft. (kg/km)	24	(35.4)	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 +60°C	