

Berk-Tek's **LANMARK-6** features a reduced diameter compared to other Category 6 UTP cables, and delivers 2 dB of headroom on the important characteristics of NEXT, PSNEXT, ACR, and PSACR. This is an ANSI/TIA Category 6 verified cable, constructed without a 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-568-C.2 and ISO/IEC 11801 2nd Edition Class E Category 6 requirements.

LANMARK™ -6

UTP/4-PAIR
CATEGORY 6

FEATURES

- ▶ Inexpensive compact design with no center spline and an OD of 0.192"
- ▶ Available in smartPAK 1500 ft. pull-box packaging
- ▶ Meets the requirements of ANSI/TIA-568-C.2
- ▶ Usable bandwidth up to 250 MHz
- ▶ Delivered in compact, strong, easy to identify boxes

BENEFITS

- ▶ smartPAK boxes reduce cable scrap and increase install efficiency
- ▶ 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

CONSTRUCTION

Bare 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.

FLAME RATING

Non-Plenum UL 1666, CMR, IEC 332-1
Plenum NFPA 262, CMP

ETL or UL Listed

STANDARDS

North American ANSI/TIA-568-C.2
 UL 444 and C22.2
 No. 214-02

International ISO/IEC 11801-
 2nd Edition Category 6
 EU Directive
 2006/96/EC (Low Voltage)
 EU Directive
 2011/65/EU (RoHS)

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
IEEE 802.3af	PoE	
IEEE 802.3at	PoE+	
HDBASE-T		



TEMPERATURE RATING

	CMP	CMR
OPERATION	-20°C to +75°C	-20°C to +75°C
INSTALLATION	0°C to +50°C	0°C to +50°C

New smartPAK 1500 ft. Boxes				
PART NUMBERS	CMP	lbs./box	CMR	lbs./box
Blue 1500 ft. smartPAK Box	11074702	44	11074703	33
White 1500 ft. smartPAK Box	11074742	44	11074744	33
Gray 1500 ft. smartPAK Box	11074743	44	11074745	33

PART NUMBERS	CMP	CMR
Gray 1000 ft. Tek Pak Box	10132983	10136338
White 1000 ft. Tek Pak Box	10136230	10136340
Blue 1000 ft. Tek Pak Box	10136226	10136339
Yellow 1000 ft. Tek Pak Box	10136749	10136753
Green 1000 ft. Tek Pak Box	10136748	10136752

Additional jacket colors available.

TECHNICAL DATA — PHYSICAL	CMP	CMR
Conductor	23 AWG bare copper	23 AWG bare copper
Conductor Diameter	0.023 in.	0.022 in.
Insulated Conductor Diameter	0.041 in.	0.039 in.
Cable Diameter	0.220 in.	0.210 in.
Cable Weight	29 lb./kft.	22 lb./kft.
Min. Bend Radius	1.0 in.	1.0 in.
TECHNICAL DATA — ELECTRICAL	CMP	CMR
Velocity of Propagation	67% nom.	69% nom.
Time Delay Skew	45 nsec/100 m max.	45 nsec/100 m max.

AT A GLANCE

- ▶ Guaranteed to 250 MHz
- ▶ Cost-effective Category 6 solution
- ▶ No center spline
- ▶ Ideal for 1.0G

