

Copper LAN Product Inquiry Phone: 717-354-6200 berktek.support@nexans.com

LANmark-6 Plenum Rated

The 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

Berk-Tek LANmark-6 UTP, Performance Guaranteed

Before any cable can display the Berk-Tek LANmark-6 UTP legend, it must pass factory tests with a minimum of 2dB of crosstalk margin beyond the Cat. 6 standard for NEXT, PSNEXT, ACR and PSACR. If the margin is missing, so is the legend. That is our guarantee to you.

Your business demands continuous performance from your IT network, so our specifications aren't simply numbers on the page. They define the way that we do business. This means that you are *guaranteed* industry-leading performance and quality for all Berk-Tek products.

Some other manufacturers talk about "typical" values, at Berk-Tek, we hold ourselves to a higher standard. We won't talk about typicals, we talk about what is true, guaranteed, and independently verified.

Based on Berk-Tek's advanced testing, LANmark-6 has a Converged Application Score (CA Score) of 6.4 and is recommended for short-term installations, basic desktop and phone applications, and a low density of connected devices. For more information on CA Score, please click here.

Perform Beyond Expectations... Choose Berk-Tek

Construction: 24 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.

Flame Rating: Plenum -NFPA 262, CMP

Features

- Inexpensive compact design
- Meets the requirements of ANSI/TIA/EIA-568-C.2
- · Characterized to 500 MHz, 250 MHz greater than the standard
- · Delivered in compact, strong, easy to identify boxes
- RoHS Compliant

Benefits

- Provides Category 6 performance
- · Cost effective Category 6 solution
- Provides additional usable bandwidth required for future applications
- Superior box design allows cable to be pulled easily from the box with minimum kinking
- · Compact box design takes up less shelf space.
- Clearly identified packaging eliminates potential confusion





Standards

International ISO/IEC 11801 National ANSI/TIA-568-C.2; UL 444



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Characteristics

| Construction characteristics | |
|------------------------------|--------------------|
| Type of cable | UTP |
| Dimensional characteristics | |
| Number of pairs | 4 |
| Usage characteristics | |
| Field of application | Indoor |
| Category | Cat. 6 |
| Fire safety | CMP - Plenum Rated |

| Product List | ぐ =Make to order, 贔 =In stock |
|--------------|--------------------------------------|
| | |

| | Part Number | Description | Colour | Length per reel (ft) | Packaging |
|---|-------------|--|------------|----------------------|-----------------|
| C | 10136231 | LANmark-6 UTP Plenum | Light grey | 1000.0 | Reel |
| C | 10132983 | LANmark-6 UTP Plenum | Light grey | 1000.0 | Box |
| 晶 | 10136233 | LANmark-6 UTP Plenum | Blue | 1000.0 | Reel |
| 뭩 | 10136226 | LANmark-6 UTP Plenum | Blue | 1000.0 | Box |
| 晶 | 10136265 | LANmark-6 UTP Plenum | White | 1000.0 | Reel |
| 晶 | 10136230 | LANmark-6 UTP Plenum | White | 1000.0 | Box |
| 晶 | 10136749 | LANmark-6 UTP Plenum | Yellow | 1000.0 | Box |
| 鼎 | 10136751 | LANmark-6 UTP Plenum | Yellow | 1000.0 | Reel |
| C | 10137364 | LANmark-6 UTP Plenum | Violet | 1000.0 | Box |
| C | 10177147 | LANmark-6 UTP Plenum | Pink | 1000.0 | Reel |
| 鼎 | 10136748 | LANmark-6 UTP Plenum | Green | 1000.0 | Box |
| 晶 | 10136750 | LANmark-6 UTP Plenum | Green | 1000.0 | Reel |
| C | 10137365 | LANmark-6 UTP Plenum | Red | 1000.0 | Box |
| C | 10141073 | LANmark-6 UTP Plenum | Orange | 1000.0 | Box |
| • | 10188830 | LANmark-6 UTP Plenum | Black | 1000.0 | Box |
| C | 10188807 | LANmark-6 UTP Plenum | Black | 1000.0 | Reel |
| (| 11049196 | LANmark-6 UTP Plenum | Pink | 1000.0 | Box |
| C | 11060822 | LANmark-6 UTP Plenum | Brown | 1000.0 | Box |
| 晶 | 11091284 | LANmark-6 UTP Plenum | Dark grey | 1000.0 | Reel |
| 晶 | 11091258 | LANmark-6 UTP Plenum | Dark grey | 1000.0 | Box |
| 晶 | 11074702 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Blue | 1500.0 | Box |
| 晶 | 11074742 | LANmark-6 UTP Plenum 1500 ft. smartPAK | White | 1500.0 | Box |
| Ç | 11074743 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Light grey | 1500.0 | Box |
| 晶 | 11074893 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Yellow | 1500.0 | Box |
| 晶 | 11074897 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Green | 1500.0 | Box |
| C | 11078191 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Pink | 1500.0 | Box |
| • | 11074898 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Red | 1500.0 | Box |
| C | 11074903 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Black | 1500.0 | Box |
| C | 11074904 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Violet | 1500.0 | Box |
| C | 11074905 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Orange | 1500.0 | Box |
| 晶 | 11094952 | LANmark-6 UTP Plenum 1500 ft. smartPAK | Dark grey | 1500.0 | Box |
| | | | | 📞 = Make to orde | r, 🖺 = In stock |



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LANmark-6 Parametric Data: Electrical

FQ = Frequency (MHz) / TIA = TIA Spec / PG = Product Guarantee

| | FQ = Fr | equency (MHz) / TIA = | TIA Spec / PG = Produ | ct Guarantee | |
|--|--|---|--|---|--|
| | RL (dB) | NEXT (dB) | PSNEXT (dB) | ACRF (dB) | LCL/TCL |
| FQ | TIA / PG | TIA / PG | TIA / PG | TIA / PG | PG |
| 1 | 20.00 / 20.00 | 74.30 / 76.30 | 72.30 / 74.30 | 67.80 / 67.80 | 40.00 |
| 4 | 23.00 / 23.00 | 65.30 / 67.30 | 63.30 / 65.30 | 55.80 / <mark>55.80</mark> | 40.00 |
| 10 | 25.00 / 25.00 | 59.30 / 61.30 | 57.30 / <mark>59.30</mark> | 47.80 / <mark>47.80</mark> | 40.00 |
| 16 | 25.00 / 25.00 | 56.20 / <mark>58.30</mark> | 54.20 / <mark>56.30</mark> | 43.70 / <mark>43.70</mark> | 38.00 |
| 20 | 25.00 / <mark>25.00</mark> | 54.80 / <mark>56.80</mark> | 41.80 / <mark>54.80</mark> | 41.80 / <mark>41.80</mark> | 37.00 |
| 31.25 | 23.60 / 23.60 | 51.90 / 53.90 | 49.90 / 51.90 | 37.90 / <mark>37.90</mark> | 35.10 |
| 62.5 | 21.50 / 21.50 | 47.40 / 49.40 | 45.40 / <mark>47.40</mark> | 31.90 / <mark>31.90</mark> | 32.00 |
| 100 | 20.10 / <mark>20.10</mark> | 44.30 / <mark>46.30</mark> | 42.30 / 44.30 | 27.80 / <mark>27.80</mark> | 30.00 |
| 150 | 18.90 / <mark>18.90</mark> | 41.70 / 43.70 | 39.70 / 41.70 | 24.30 / 24.30 | 28.20 |
| 200 | 18.00 / <mark>18.00</mark> | 39.80 / 41.80 | 37.80 / <mark>39.80</mark> | 21.80 / 21.70 | 27.00 |
| 250 | 17.30 / 17.30 | 38.30 / 40.30 | 36.30 / <mark>38.30</mark> | 19.80 / 19.80 | 26.00 |
| 300 | — / 16.80* | — / 39.10* | — / 37.10* | — / 18.30* | 25.20 |
| 350 | — / 16.30* | — / 38.20* | — / 36.20* | — / 16.90* | 24.60* |
| 400 | — / 15.90* | — / 37.30* | — / 35.30* | — / 15.80* | 24.00* |
| 450 | — / 15.50* | — / 36.50* | — / 34.50* | — / 14.70* | 23.50* |
| 500 | — / 15.20* | — / 35.80* | — / 33.80* | — / 13.80* | 23.00* |
| 000 | - 1 10.20 | 7 00.00 | 7 00.00 | - 1 10.00 | 20.00 |
| 000 | IL (dB/100 m) | ACR (dB/100 m) | PSACR (dB/100 m) | PSACRF (dB/100 m) | EL TCTL |
| FQ | IL (dB/100 m) TIA / PG | ACR (dB/100 m) TIA / PG | PSACR (dB/100 m) TIA / PG | PSACRF (dB/100 m) TIA / PG | |
| | IL (dB/100 m) | ACR (dB/100 m) | PSACR (dB/100 m) | PSACRF (dB/100 m) | EL TCTL |
| FQ | IL (dB/100 m) TIA / PG | ACR (dB/100 m) TIA / PG | PSACR (dB/100 m) TIA / PG | PSACRF (dB/100 m) TIA / PG | EL TCTL PG |
| FQ 1 | IL (dB/100 m) TIA / PG 2.00 / 2.00 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 | EL TCTL PG 35.00 |
| FQ 1 4 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 | PG 35.00 23.00 |
| FQ 1 4 10 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 | PG 35.00 23.00 15.00 |
| FQ 1 4 10 16 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 10.80 / 12.90 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 150 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 24.70 / 24.60 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 14.90 / 17.10 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 21.30 / 21.30 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 150 200 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 24.70 / 24.60 29.00 / 29.00 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 10.80 / 12.90 | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 14.90 / 17.10 8.80 / 10.90 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 21.30 / 21.30 18.80 / 18.70 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 150 200 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 24.70 / 24.60 29.00 / 29.00 32.80 / 32.80 | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 10.80 / 12.90 7.30 / 7.50 — / 2.70* — / -1.60* | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 14.90 / 17.10 8.80 / 10.90 3.50 / 5.50 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 21.30 / 21.30 18.80 / 18.70 16.80 / 16.80 | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 150 200 250 300 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 24.70 / 24.60 29.00 / 29.00 32.80 / 32.80 — / 36.40* | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 10.80 / 12.90 7.30 / 7.50 — / 2.70* | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 14.90 / 17.10 8.80 / 10.90 3.50 / 5.50 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 21.30 / 21.30 18.80 / 16.80 — / 15.30* | PG 35.00 23.00 15.00 10.90 |
| FQ 1 4 10 16 20 31.25 62.50 100 150 200 250 300 350 | IL (dB/100 m) TIA / PG 2.00 / 2.00 3.80 / 3.80 6.00 / 6.00 7.60 / 7.60 8.50 / 8.50 10.70 / 10.70 15.40 / 15.40 19.80 / 19.80 24.70 / 24.60 29.00 / 29.00 32.80 / 32.80 — / 36.40* — / 39.80* | ACR (dB/100 m) TIA / PG 72.20 / 74.30 61.50 / 63.50 53.40 / 55.40 48.80 / 50.70 46.40 / 48.40 41.40 / 43.30 32.40 / 34.00 25.20 / 26.60 16.90 / 19.10 10.80 / 12.90 7.30 / 7.50 — / 2.70* — / -1.60* | PSACR (dB/100 m) TIA / PG 70.30 / 72.30 59.50 / 61.50 51.30 / 53.40 46.70 / 48.70 44.30 / 46.40 39.20 / 41.30 30.00 / 32.00 22.50 / 24.60 14.90 / 17.10 8.80 / 10.90 3.50 / 5.50 | PSACRF (dB/100 m) TIA / PG 64.80 / 64.80 52.80 / 52.80 44.80 / 44.80 40.70 / 40.70 38.80 / 38.80 37.90 / 34.90 28.90 / 28.90 24.80 / 24.80 21.30 / 21.30 18.80 / 16.80 — / 15.30* 13.90 / 13.90* | PG 35.00 23.00 15.00 10.90 |

^{*}Values provided for reference only

LANmark-6 Plenum UTP Physical Data

| Technical Data - Physical | | | |
|-------------------------------------|------------------------------|---------|--|
| Conductor | Conductor 24 AWG Bare Copper | | |
| Conductor diameter - in. (mm) | 0.022 | (0.56) | |
| Insulated conductor diain.(mm) | 0.041 | (1.04) | |
| Cable diameter - in. (mm) | 0.22 | (5.56) | |
| Nom. cable wtlb./kft. (kg/kft) | 27 | (12.25) | |
| Max. installation tension - lb. (N) | 25 | (110) | |
| Min. bend radius - in. (mm) | 1.00 | (25.40) | |

| Color Code | | | |
|--------------------------------|--------------|--------|--|
| Pair-1 | White/Blue | Blue | |
| Pair-2 | White/Orange | Orange | |
| Pair-3 | White/Green | Green | |
| Pair-4 | White/Brown | Brown | |
| Temperature Rating (degrees C) | | | |
| Installation | 0 to +50 | | |
| Operation | -20 to +75 | | |



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LANmark-6 Plenum Technical Data - Parametric Measurements

| Mutual Capacitance | 5.2 nF/100 m max. | Pair to Ground Unbalance | 330 pF/100 m max. |
|--------------------|----------------------|--------------------------|-------------------|
| DC Resistance | 9.38 Ohms/100 m max. | Velocity of Propagation | 67% nom. |
| Skew | 45 ns/100 m max. | DC Resistance unbalance | 5% max. |

LANmark-6 Converged Application Score

A cable's Converged Application Score (CA Score) is in an indicator of how well IP traffic is protected and how much heat rise there is when the cable undergoes PoE testing. The score is represented by a numeric value between 1 and 10, with 1 being the lowest and 10 being the highest. In reality, a score of 1 is unattainable because it would represent no connection, as is a score of 10 because it would mean zero heat rise with high power PoE. CA Scores range between 2 and 9.

LANmark-6

| | Score | > 3.6 | 3.6 - 5.5 | 5.6 - 6.5 | 6.6 - 7.5 | 7.6 - 8.5 | 8.6 + |
|-------------|-------------|--------------|-------------|-----------|-----------|-----------|-------|
| CA Score | Performance | Unacceptable | Poor | Limited | Good | Better | Best |
| | Heat Rise | Severe | Significant | Moderate | Moderate | Moderate | Low |

What does the CA Score tell you? A performance rating of "Poor" (less than 3.6) means that there were consistent noticeable flaws (dropped frames, media loss, etc) in the applications tested. As you move towards higher performance scores, you would notice fewer and fewer flaws, until you reach a score of 9, which is almost flawless. PoE testing is also an important factor; cables that experienced less temperature rise achieve higher CA Scores.

Supported Category 6 Applications

| STANDARD | APPLICATION | SPEED |
|---------------|------------------|----------|
| IEEE 802.3 | 1000BASE-T | 1 Gb/s |
| TIA/EIA-854 | 1000BASE-TX | 1 Gb/s |
| ATM | 155Mb/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 802.3 af | PoE | 1 Gb/s |
| IEEE 802.3 at | PoE+, Type 1 & 2 | 1 Gb/s |

LANmark-6 UTP Plenum Jacket Legend

BERK-TEK LANMARK-6 24 AWG CMP 75C C(UL)US ETL VERIFIED TIA-568-C.2 CAT 6 [ANY APPLICABLE PATENTS] [DATECODE] [SEQ#] FT

Selling information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.