

Hopkins County Schools - West Broadway

This proposal cannot be considered valid unless the bidder fully completes the information below:


Signature of Bidder

SIN DATA (an) LLC dba
Company Name Basic Technologies

407 W. 4th St.
Phone

VP OF SALES
Title

1099 Main Street, Apt #2
Address

3/20/2024
Date

Encore Response to Hopkins County Schools W. Broadway Elementary - Cabling

April 11, 2024 · OPP0008187



4620 Wesley Ave, Cincinnati, Ohio 45212 · www.encore.tech
699 Isaac Shelby Circle, Suite 2; Frankfort, KY 40601

encore
TECHNOLOGIES

April 11, 2024

Drew Taylor
Chief Information Officer
Hopkins County Board of Edu.
320 South Seminary St.
Madisonville, KY 42431
drew.taylor@hopkins.kyschools.us
(270) 825-6000

Re: W. Broadway Elementary School Cabling
Spin: 143049494

Dear Mr. Taylor:

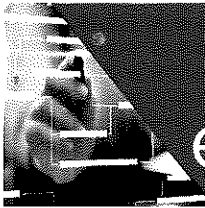
Encore appreciates the opportunity to offer West Broadway Elementary School this response for Network Cabling. Encore Technologies is uniquely positioned to deliver this service through our long history with Kentucky K12 schools and our partnership with leaders in the technology supply chain.

Encore is heavily invested in the Commonwealth's ecosystem of education and state government agencies where we provided technology services to more than 100 KETS schools throughout Kentucky. Our commitment to the Commonwealth is further demonstrated through our sales and support office in Frankfort, Kentucky, where we have an account management team, sales support staff, and project coordinators who are dedicated to the successful completion of the project.

To assist you directly, Kendall Kassinger will serve as your Encore point of contact. You can reach Kendall by phone, (502)641-1624, or by email, kendall.kassinger@encore.tech. We look forward to the opportunity to present our proposal to the Hopkins County Board of Education.

Sincerely,

Brett Kiser
VP of Sales



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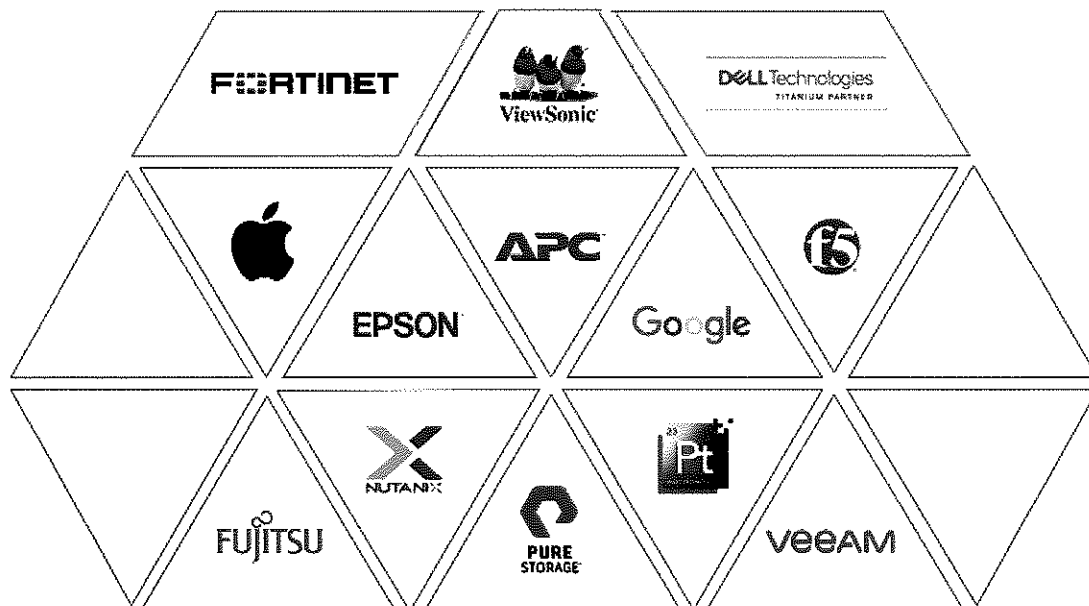
1.0 Executive Summary

Encore Technologies is a full-service, global IT company with expertise in deploying and managing technology solutions to help businesses improve processes, mitigate risk, reduce cost, improve operational efficiency, and secure data.

Encore Technologies was founded in 2015 as a data center and IT services provider. In January 2016, Encore acquired élan Technologies (founded 2001) and integrated the Apple services leader with our Managed Services, Professional Services, and Value-Added Reseller business practices. The acquisition added the unique value of Apple to Encore's strong offerings in Education, Healthcare, Fortune 1000, and Finance.

By mid-2016, Encore opened a state-of-the-art Data Center to offer colocation services. This facility forms the foundation for our extensive suite of cloud-based services. This powerful suite uniquely positions Encore to optimize, automate, and transform our customers' IT environment while securing their data and reducing costs. Since then, Encore expanded its service offerings to include data center hosting and support, structured cabling and fiber, IT managed services, workspace services, professional services, and IT staff augmentation.

Encore employees hold technical degrees and advanced certifications covering the gamut of services we provide. We actively pursue partnerships with key vendors such as Fortinet, Dell, and ViewSonic to provide our clients with the highest quality of product at the best possible prices. The following graphic displays a few key partners.



2.0 Proposal

Provide a description of the scope of work to be performed and a schedule. This bid will also include cable trays, j hooks, some Panduit replacement, testing, termination, and removal of old cabling.

Encore Response

Encore will provide QTY (398) Cat6 riser data drops including surface mount raceway boxes (50%) utilization at West Broadway Elementary School. Encore will provide (1) 12 strand single mode armored fiber circuit between existing MDF and existing IDF at West Broadway Elementary School.

“Installation” scope includes:

- Running new category/fiber cable to locations determined by the client.
- Cable support to be added where necessary per BICSI standards.
- Termination of category cables in jacks provided at closet and end user.
- Termination of fiber via fusion splicing at both closet ends.
- Labeling user end face plates and closet patch panels per client’s designated labelling scheme.
- Testing of all new circuits and level 3 certification to be provided to client.
- Certification results to be provided to BerkTec/Leviton for warranty submittal.
- Cleanup of client site and proper disposal of all trash and water at client provided location.

Encore could begin this work within 30 days of receipt of a Purchase Order, assuming there are no unforeseen hardware delays. Encore will begin with a project kick-off meeting to discuss preferred installation windows and we estimate this is approximately five weeks of consecutive work. The Encore project manager and onsite team lead will work in conjunction to provide daily updates to the onsite.

2.1 Product Quality

Describe the quality of the products to be used.

Encore Response

Encore is proposing Berk-Tek Leviton materials, best-in-class copper cables that are tested to exceed industry standards. Before any cable can display the Berk-Tek LANmark-6 UPT 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. Flame rating is Riser – NFPA 70, CMR, and additionally the cable meets the requirements of ANSI/TIA/EIA-568-C.2 with usable bandwidth up to 250 MHz. Data sheets for the quoted materials and lifetime warranty are included.

3.0 Requirements

1. Bids resulting from this advertisement will be subject to all FCC, State of Kentucky, and Hopkins County Schools specifications and requirements.

Encore Response

Encore agrees to follow all FCC, State of KY, and Hopkins County Schools specifications and requirements.

2. Provider must provide any permits if required.

Encore Response

Encore agrees to provide any permits requested by Hopkins County Schools. We made contact with the City of Madisonville planning department on 4/5/2024 and they did not note any low voltage permit requirements.

3. Work must be completed when school is not in session. Vendor agrees to coordinate work schedule with Drew Taylor or Steven Vaught to avoid disruption of instruction.

Encore Response

Encore agrees to work outside of school hours and will coordinate schedule with Drew Taylor and Steven Vaught to avoid disruption of instruction.

4.0 Qualifications

Describe prior work with the district and/or references.

Encore Response

Encore's Kentucky sales and support team understands the public sector's business objectives and challenges. Through this knowledge, Encore has invested heavily in the Commonwealth's ecosystem of education and government agencies, where Encore has provided services to more than 100 KETS schools. Encore's Kentucky team has collaborated with K12 schools in the Commonwealth, Indiana, and Ohio on projects that are similar in size and scope. Over the past several years, Encore has fulfilled numerous contracts for Hopkins County ranging from structured cabling, audio/visual to access control projects.

The following references are a few of the organizations with whom we have developed a relationship and where we performed network cabling services. Kendall will arrange a time at your convenience when you can speak with the references listed below. She can be reached at (502)641-1624, or by email, kendall.kassinger@encore.tech.

Reference 1

Name: Matthew Whitlock, Boyle County Schools (KY)

Reference 2

Name: Jonathan Jones, Frankfort Independent Schools (KY)

Reference 3

Name: Rhonda Taylor, Jackson County Schools (KY)

5.0 Pricing

Please provide as much line item specifics as possible, example: parts, labor, removing old cable, etc.

Encore Response

Item	Qty	Cost Per Item	Total Cost
Installation of (398) Cat6 riser rated data drops, including materials.	398	\$238.00	\$94,724.00
Installation of QTY (1) 12 strand single mode armored fiber circuit between existing MDF and existing IDF.	1	\$4,889.00	\$4,889.00



The Smart Choice for a Better Network

Get the highest return on infrastructure investment (ROI[™])

Leviton is the Smart Choice

- More than 110 years as Leviton Manufacturing Company, Inc.
- Privately held, headquartered in New York, with more than 7,000 employees and 25,000 products
- Only three CEOs in 110 years, providing consistent investment and focus
- Six divisions that are market leaders:
 - Network Solutions - more than 30 years serving the datacom industry
 - Residential Electrical
 - Commercial and Industrial
 - Energy Management, Controls and Automation
 - JCC Advanced Lighting
 - Intense Lighting

A Culture of Ingenuity & Innovation

- Atlas-X1[™]: The first independently-verified, third-party certified Cat 8 System, with multiple patented technologies offering outstanding performance and reliability
- Atlas-X1: The only known category-rated connector that is tested and approved for use in air-handling spaces (plenum-rating), adding more network flexibility
- Atlas-X1 UTP and shielded connectors offer same form factor and termination style from 1G to 40G
- Atlas-X1 component-rated connectors, patch cords, and 110-style patch panels have been tested to deliver 100-watt Power over Ethernet (PoE)
- eXtreme[®]: The first independently-verified component-rated Cat 6A system
- Patented triple-stage electrical compensation for Cat 6A, with independently-verified short lengths for runs between cabinets of a 30-foot channel with a 10-foot permanent link
- Patented Retention Force Technology (RFT[™]) protects against tine damage from 4- or 6-pin plugs, saves on costly repairs, and increases system longevity
- First independently-verified OM3 10G fiber full channel performance for trunks, harnesses, modules and patch cables to the loss levels per TIA-568-C.0
- Opt-X[®] SDX: The first precision-molded fiber adapter plates with zirconia sleeves, color-coded per TIA-568-C.3
- Opt-X Unity[™]: The first 24-fiber MTP[®] system for migration from 10G to 40G/100G networks, introduced in January 2011
- First true 110-style component-rated Cat 6A patch panels, providing faster installation
- With Berk-Tek[®] MDP cable, pre-terminated fiber trunks are 50-60% smaller than competitors, reducing weight, conveyance, and cost
- First fiber Replicator[®] panel with Logical Port Management that mimics blade number and port counts for Cisco[®], Brocade[®] and other switches; this simplifies MACs and protects switches that can cost up to \$600,000
- U.S.-made HDX high-density fiber cassette with HDF3168 Distribution Frame can save 80% more space and up to \$100,000 in yearly savings — calculate savings at apps.leviton.com/HDXcalculator
- Overhead Infrastructure Platform can save 56% in costs versus overhead threaded rod installations
- First color-coded physical network security systems (Secure Keyed LC and Secure RJ) that work with standard LC and RJ-45 ports and use the same disconnect mechanism, preventing unauthorized and unintentional port access
- Patented Noise-Canceling Helix Technology isolation wrap Cat 6A plenum and riser cable, offered in small diameter (less than 0.295")
- Largest selection of patch panels for maximum customer flexibility
- First and only composite patch panel is 100% recyclable and fully customizable to feature any design, color or logo
- Composite panel features patch cord managers that attach directly to panel face, eliminating need for additional cable management and saving rack space
- 200+ datacom patents
- Voting representation on TIA, IEEE, and BICSI standards, as well as NFPA/NEC codes

The Smart Choice for a Better Network

Get the highest return on infrastructure investment (ROI[™])

Committed to our Customers & the Environment

- Best system warranty in the United States, with Limited Lifetime Warranty; more than 1,000 major projects every year are backed by this warranty
- Eight warehouses around the world with datacom products to service global needs
- Pre-terminated copper and fiber solutions and efficient packaging help cut job site waste
- Program for compliance with Restriction of Hazardous Substances Directive (RoHS)
- Energy efficient manufacturing processes saves more than 500,000 kWh annually, with investments in efficient lighting, operations, compressor, and molding

Industry's Best Service & Support

- Five levels of technical support, including RCDD Specification Engineers, RCDD Applications Engineers, and equipment certified data center designers, all supporting customers in the field
- CSI Division 27 specification templates for consultants and customers and extensive library of downloadable Visio[®] stencils and BIM objects
- Large library of easy-to-use online configurators for make-to-order products
- Onsite technical support — from testing to design — provided by engineers, product managers and technical support
- Customer service teams exclusively dedicated to data center infrastructure systems and designs

Quality & Performance in Every Solution

- More than 150 million RJ-45 connectors made in the United States
- More than 6 million copper and fiber links that have been installed, reviewed, and certified
- Solutions undergo rigorous lab testing to ensure real-world readiness, even under the most demanding network conditions
- 100% testing of end-face geometry with interferometer for single mode to IEC 61755 requirements
- Production exceeds IEC 61300-3-35 for fiber interconnecting devices and passive components
- Majority of products made in the United States, including quick-ship Make-to-Order solutions
- Guaranteed field performance margins through tested technologies and hyper-tuned systems
- ETL[®] and UL[®] tested and certified, with reports posted publicly
- Member of Cisco[®] Developer Network

Berk-Tek[®] is a registered trademark of Nexans, Inc.
Brocade[®] is a registered trademark of Brocade Communications Systems, Inc.
Cisco[®] is a registered trademark of Cisco Systems, Inc.
ETL[®] is a registered trademark of Intertek Group plc
MTP[®] is a registered trademark of US Conec, Ltd.
UL[®] is a registered trademark of UL LLC

LANmark-6 Riser Rated

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

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 high density 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.

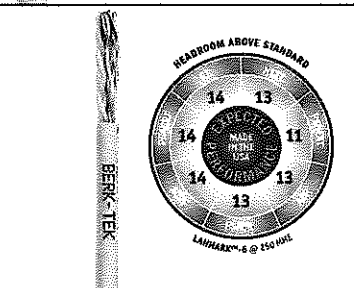
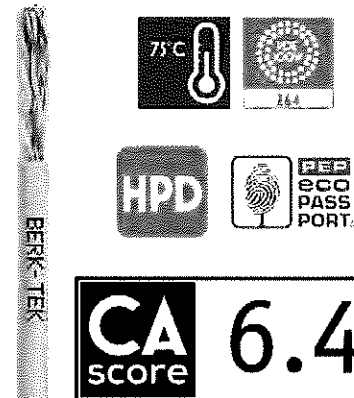
Flame Rating: Riser - NFPA 70, CMR

Features

- Inexpensive compact design
- Meets the requirements of ANSI/TIA/EIA-568-C.2
- Usable bandwidth up to 250 MHz
- Delivered in compact, strong, easy to identify boxes
- RoHS Compliant

Benefits

- Provides Category 6 performance
- Cost effective entry level 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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LANmark-6 Riser Rated

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

CHARACTERISTICS

Construction characteristics

Type of cable UTP

Dimensional characteristics

Number of pairs 4

Usage characteristics

Field of application Indoor

Category Cat. 6

Fire safety CMR - Riser Rated

PRODUCT LIST

Part Number	Description	Colour	Length per reel [ft]	Packaging
10136342	LANmark-6 UTP Riser	Blue	1000.0	Reel
10136339	LANmark-6 UTP Riser	Blue	1000.0	Box
10136343	LANmark-6 UTP Riser	White	1000.0	Reel
10136340	LANmark-6 UTP Riser	White	1000.0	Box
10136775	LANmark-6 UTP Riser	Yellow	1000.0	Reel
10136753	LANmark-6 UTP Riser	Yellow	1000.0	Box
10170932	LANmark-6 UTP Riser	Black	1000.0	Box
10136774	LANmark-6 UTP Riser	Green	1000.0	Reel
10136752	LANmark-6 UTP Riser	Green	1000.0	Box
10170931	LANmark-6 UTP Riser	Red	1000.0	Box
10189773	LANmark-6 UTP Riser	Orange	1000.0	Box
11058425	LANmark-6 UTP Riser	Pink	1000.0	Box
11072302	LANmark-6 UTP Riser	Violet	1000.0	Box
10190136	LANmark-6 UTP Riser	Red	1000.0	Reel
11055358	LANmark-6 UTP Riser	Orange	1000.0	Reel
11091285	LANmark-6 UTP Riser	Dark grey	1000.0	Reel
11091257	LANmark-6 UTP Riser	Dark grey	1000.0	Box
11074703	LANmark-6 UTP Riser 1500 ft. smartPAK	Blue	1500.0	Box
11074744	LANmark-6 UTP Riser 1500 ft. smartPAK	White	1500.0	Box
11074906	LANmark-6 UTP Riser 1500 ft. smartPAK	Yellow	1500.0	Box
11074907	LANmark-6 UTP Riser 1500 ft. smartPAK	Green	1500.0	Box
11074908	LANmark-6 UTP Riser 1500 ft. smartPAK	Red	1500.0	Box
11074909	LANmark-6 UTP Riser 1500 ft. smartPAK	Black	1500.0	Box
11074910	LANmark-6 UTP Riser 1500 ft. smartPAK	Violet	1500.0	Box
11074911	LANmark-6 UTP Riser 1500 ft. smartPAK	Orange	1500.0	Box
11094953	LANmark-6 UTP Riser 1500 ft. smartPAK	Dark grey	1000.0	Box
11078894	LANmark-6- UTP Riser	Violet	1000.0	Reel

☎ = Make to order, 📦 = In stock

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LANmark-6 Riser Rated

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berktek.support@nexans.com

LANMARK-6 RISER - TECHNICAL INFORMATION

Electrical Characteristics

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

FQ	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	LCL/TCL
	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 / 55.80	40.00
10	25.00 / 25.00	59.30 / 61.30	57.30 / 59.30	47.80 / 47.80	40.00
16	25.00 / 25.00	56.20 / 58.30	54.20 / 56.30	43.70 / 43.70	38.00
20	25.00 / 25.00	54.80 / 56.80	41.80 / 54.80	41.80 / 41.80	37.00
31.25	23.60 / 23.60	51.90 / 53.90	49.90 / 51.90	37.90 / 37.90	35.10
62.5	21.50 / 21.50	47.40 / 49.40	45.40 / 47.40	31.90 / 31.90	32.00
100	20.10 / 20.10	44.30 / 46.30	42.30 / 44.30	27.80 / 27.80	30.00
150	18.90 / 18.90	41.70 / 43.70	39.70 / 41.70	24.30 / 24.30	28.20
200	18.00 / 18.00	39.80 / 41.80	37.80 / 39.80	21.80 / 21.70	27.00
250	17.30 / 17.30	38.30 / 40.30	36.30 / 38.30	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*

FQ	IL (dB/100 m)	AGR (dB/100 m)	PSACR (dB/100 m)	PSACRF (dB/100 m)	EL TCTL
	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	2.00 / 2.00	72.20 / 74.30	70.30 / 72.30	64.80 / 64.80	35.00
4	3.80 / 3.80	61.50 / 63.50	59.50 / 61.50	52.80 / 52.80	23.00
10	6.00 / 6.00	53.40 / 55.40	51.30 / 53.40	44.80 / 44.80	15.00
16	7.60 / 7.60	48.80 / 50.70	46.70 / 48.70	40.70 / 40.70	10.90
20	8.50 / 8.50	46.40 / 48.40	44.30 / 46.40	38.80 / 38.80	9.00
31.25	10.70 / 10.70	41.40 / 43.30	39.20 / 41.30	37.90 / 34.90	—
62.50	15.40 / 15.40	32.40 / 34.00	30.00 / 32.00	28.90 / 28.90	—
100	19.80 / 19.80	25.20 / 26.60	22.50 / 24.60	24.80 / 24.80	—
150	24.70 / 24.60	16.90 / 19.10	14.90 / 17.10	21.30 / 21.30	—
200	29.00 / 29.00	10.80 / 12.90	8.80 / 10.90	18.80 / 18.70	—
250	32.80 / 32.80	7.30 / 9.30	3.50 / 5.50	16.80 / 16.80	—
300	— / 36.40*	— / 2.70*	— / —	— / 15.30*	—
350	— / 39.80*	— / —	— / —	13.90 / 13.90*	—
400	— / 43.00*	— / —	— / —	12.80 / 12.80*	—
450	— / 46.00*	— / —	— / —	— / 11.70*	—
500	— / 48.90*	— / —	— / —	10.80 / 10.80*	—

*Values provided for reference only

Parametric Measurements

Description

Mutual Capacitance	5.1 nF Ohms/100m nom.
DC Resistance	9.38 Ohms/100m max.
Skew	45 ns/100m max.
Pair-to-Ground Unbalance	330 pF/100m max.
Velocity of Propagation	69% nom.
DC Resistance Unbalance	5% max.

Color Code

Pair-1	White/Blue	Blue
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LANmark-6 Riser Rated

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 berktek.support@nexans.com

Pair-2	White/Orange	Orange
Pair-3	White/Green	Green
Pair-4	White/Brown	Brown

Supported Category 6 Applications

Standard	Application	Speed
IEEE 802.3	1000BASE-T	1 Gb/s
ATM	155 Mb/s	155 Mb/s
CDDI		100 Mb/s
IEEE 802.3	100BASE-T	10 Mb/s
IEEE 802.3 at	PoE	1 GB/s
IEEE 802.3 at	PoE+, Type 1 & 2	1 Gb/s

Technical Data - Physical

Conductor	24 AWG Bare Copper	
Conductor Diameter - in. (mm)	0.021	(0.530)
Insulated Conductor Diameter - in. (mm)	0.038	(0.97)
Cable Diameter - in. (mm)	0.205	(5.21)
Nom. Cable Weight - lb./kft (kg/kft)	21	(9.53)
Max. Installation Tension - lb. (N)	25	(110)
Min. Bend Radius - in. (mm)	1.00	(25.40)

LANMARK-6 CONVERGED APPLICATION SCORE

A cable's Converged Application Score (CA Score) is 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

CA Score	Score	> 3.6	3.6 - 5.5	5.6 - 6.5	6.6 - 7.5	7.6 - 8.5	8.6 +
	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.

LANMARK-6 UTP RISER JACKET LEGEND

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




LANmark-6 Riser Rated

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Phone: 717-354-6200
berktek.support@nexans.com

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.

<p>Document ID/Date:</p> <p>NS19-0007</p> <p>Owner: Asef Baddar Last Rev. Date: 01/01/2022 Creation Date: 08/27/2019</p>	<p>System Warranty Levels T&C</p>	
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1. Introduction:

The Leviton system warranty provides installers and warranty recipients the security and peace of mind that they have a cabling system that delivers the performance they desire to support their networking needs today and in the future.

In connection with the Leviton Network Solutions certification program and the program participant's desire to participate in the program, this document details warranty levels for different regions. This document applies to Authorized Network Installer (ANI) and Premier Network Installer (PNI) levels.

2. Objective:

The objective of this document is to show various warranty levels for different regions on certified installations. The document shares a sample of the warranty certificate offered to projects receiving a warranty. Terms & Conditions is listed on the official warranty certificate, sample copies of which are attached for reference. The official and binding warranty is documented within the warranty certificate issued at the time of project approval and warranty certificate issuance.

3. Warranty Levels

The limited warranties listed below in Table 1, are covered by Leviton Network Solutions offices in the USA and the United Kingdom and describe the levels of warranty offered for a certified installation.



<p>Document ID/Date:</p> <p style="text-align: center;">NS19-0007</p> <p>Owner: Asef Baddar Last Rev. Date: 01/01/2022 Creation Date: 08/27/2019</p>	<h2 style="margin: 0;">System Warranty Levels</h2> <h3 style="margin: 0;">T&C</h3>	
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Table 1

Warranty Level	Coverage
<p>Limited Lifetime System Warranty: Product Warranty Performance Warranty (North America, Peru, Columbia, and Ecuador)</p>	<p>Coverage: Product and Performance for the Life of the Installation. Includes the cost of labor for product replacement or repair.</p> <p>Explanation: Limited warranty is issued in conjunction with certified installations when Berk-Tek a Leviton company cables, and approved Leviton Network Solutions structured cabling products are used. Lifetime warranty coverage also applies to Leviton Network Solutions manufactured pre-terminated copper and fiber optic cable assemblies, harnesses, trunk assemblies, and enclosures.</p>
<p>Limited 25-Year System Warranty: Product Warranty Performance Warranty (Rest of the World)</p>	<p>Coverage: Product and Performance for 25 years. Includes the cost of labor for product replacement or repair.</p> <p>Explanation: Limited warranty is issued in conjunction with certified installations when approved Leviton Network Solutions products are used.</p>
<p>Basic Product Warranty Out of the Box Warranty</p>	<p>Coverage: Product only for 1 year from time of purchase</p> <p>Explanation: This warranty is the standard product warranty that end users receive when they purchase a Leviton Network Solutions manufactured product through retail, distribution or direct.</p>

CONFIDENTIALITY

LEVITON NETWORK SOLUTIONS CONSIDERS THE INFORMATION CONTAINED IN THIS DOCUMENT STRICTLY CONFIDENTIAL. IT SHALL NOT BE COPIED OR DISCLOSED TO ANY PERSON OR ENTITY OTHER THAN THE INTENDED RECIPIENT OR ITS AFFILIATED EMPLOYEES. INFORMATION CONTAINED IN THIS DOCUMENT IS NOT AUTHORIZED FOR ANY OTHER PURPOSE OTHER THAN THE SPECIFIC NEEDS OF LEVITON NETWORK SOLUTIONS CERTIFICATION PROGRAM PERSONNEL AND THEIR CERTIFIED INSTALLER COMPANIES.

<p>Document ID/Date:</p> <p>NS19-0007</p> <p>Owner: Asef Baddar Last Rev. Date: 01/01/2022 Creation Date: 08/27/2019</p>	<p>System Warranty Levels T&C</p>	 <p>LEVITON Network Solutions</p>
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ATTACHMENT 1

SAMPLE WARRANTY CERTIFICATE ISSUED BY LEVITON-US



25 YEAR LIMITED SYSTEM WARRANTY CERTIFICATE

SAMPLE

Location: _____

Warranty Registration Number: _____

Warranted System User: _____

Certified Installer/Integrator: _____

Cable Manufacturer: _____

Date of issuance: _____

Certification Programs Manager, Leviton Network Solutions

25-YEAR LIMITED SYSTEM WARRANTY AND EXCLUSIONS

Subject to the limitations and conditions set forth herein, Leviton (the Manufacturer) warrant to the end-user, for the duration of the warranty, and not for the benefit of anyone else, that the structured cabling and connectivity hardware products (the "Products") comprising the Leviton structured cabling system (the "System") installed at the indicated project site will:

- Be free from defects in material and workmanship.
- Meet or exceed applicable ratified TIA/EIA and ISO/IEC link/channel transmission performance standards in effect at the time of installation.
- Support any current or future application which is designed for transmission over a structured cabling system as defined by the above referenced standards in effect at the time of installation.

Warranty Exclusions

- Products used in the System, which were not specifically designated as being eligible for coverage under this warranty.
- Products used in the System, which were not supplied directly by the Manufacturer or through channels approved by the Manufacturer.
- Products used in the System, which were falsely or incorrectly represented as being in compliance with the warranty registration requirements of this warranty or were not included in the registration documents that were submitted to obtain coverage under this warranty.
- Defects caused by work performed outside of the Leviton work area, patching or equipment cords, or from moves, additions, and changes by parties other than a Certified Integrator/Installer, or an authorized contractor or personnel of the Manufacturer.
- Defects resulting from non-compliant or improper System design, installation, use, repair or System alterations, misuse, neglect, accident, or abuse.
- Defects or System failures caused by events beyond reasonable control of the Manufacturer including, without limitation, act or omissions of customer, acts of God or government, such as, natural disasters or storms, fire, flood, water damage, paint or chemicals exposure, political strife, labor disputes, failure or delay of transportation, or unavailability of parts or personnel.
- Products and System exposed to fire, smoke, water, paint, chemicals, solvents, or other elements for which the product was not designed.
- Products and System exposed to operating conditions outside of the product's stated ratings or intended use.
- Power over Ethernet (PoE), Power over HDBASE-T (POH) and Remote Powering Applications: Leviton structured cabling products are designed and tested to be compliant with the electrical requirements for PoE, PoE+, POH, and remote powering applications as specified in the IEC 60512-99-001 standard. Remote powering applications in which the electrical energy or connector cycling exceeds the defined operating requirements of IEC 60512-99-001 may lead to excessive arcing damage to the connector interface and are not covered under this warranty.

Warranty Remedy

- For valid warranty claims, the Manufacturer will, at its sole discretion, using a Certified Integrator/Installer or personnel of the Manufacturer's choosing, replace, repair, or provide credit for any qualified System products found to be non-compliant and cover reasonable costs of labor to affect necessary work.

Warranty Limitations

- THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, NON-INFRINGEMENT OR ANY OTHER MATTER. THE REMEDIES PROVIDED FOR IN THE PRECEDING PARAGRAPHS SHALL CONSTITUTE THE SOLE REMEDY OF END-USER AGAINST THE MANUFACTURER FOR BREACH OF ANY OBLIGATIONS TO END-USER, WHETHER THE CLAIM IS MADE IN TORT OR IN CONTRACT, INCLUDING CLAIMS BASED ON WARRANTY, NEGLIGENCE, STRICT LIABILITY, FRAUD, MISREPRESENTATION, OR OTHERWISE.

- In no event shall Manufacturer be liable for special, indirect, incidental or consequential damages (regardless of the form of action, whether by contract or in tort, including negligence), including without limitation, lost sales or profits, lost data, System downtime, System outages, loss of use of the System or economic damage arising out of or connected with this warranty shall not exceed the end user's actual net profit for the replacement or repair of any claims for damage arising out of or connected with this warranty shall not exceed the end user's actual net profit for the replacement or repair of only the defective product(s).
- This warranty is non-transferable and shall not benefit any party or parties other than the stated System end-user. The System end-user is first to use the system and is subject to the individual Product warranty Terms & Conditions of the Manufacturer.
- This warranty does not cover Systems which are no longer in use or which are no longer used for their original intended purpose.

Warranty Claims Requirements

- Proper System design, installation, use and maintenance must be demonstrated to the Manufacturer.
- System documentation and maintenance records, all of which are the responsibility of the end-user, must be made available upon request. End-user shall provide free access to the System to original Certified Integrator/Installer, and the Manufacturer authorized personnel.

Claim Procedure

- Valid claims require the end-user to first resolve all non-connectivity hardware and non-work-related causes.
- Warranty claims shall promptly be first made to the original Certified Integrator/Installer or the local representative of the Manufacturer. Proof of warranty must be furnished by person making claim.
- System repair or replacement due to component failure will be performed only after the Manufacturer has reviewed and verified the System fails to meet the applicable ratified TIA/EIA and ISO/IEC link/channel transmission performance standards in effect at the time of installation prior to removal, replacement, or repair of any defective System Products.

Location: _____

Warranty Registration Number: _____

Warranted System User: _____

Certified Installer/Integrator: _____

Cable Manufacturer: _____

Date of Issuance: _____

<p>Document ID/Date:</p> <p>NS19-0007</p> <p>Owner: Asef Baddar Last Rev. Date: 01/01/2022 Creation Date: 08/27/2019</p>	<p>System Warranty Levels T&C</p>	
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ATTACHMENT 2

SAMPLE WARRANTY CERTIFICATE ISSUED BY LEVITON-UK



Leviton Limited 25-Year System Warranty Certificate

The Structured Cabling System installed at

is covered under the terms of the Leviton Limited 25 Year System Warranty as defined in the Warranty Document current at the time of installation.

All products have been installed and tested to the standards detailed in the Guide to Testing and Leviton recommended installation practices.

Date of issuance

Expiry Date:

Certificate No:

Integrator

Installed Systems

SAMPLE

Terry McGrouther
Applications Engineering & Certification Program Manager
Leviton Network Solutions Europe



25-YEAR LIMITED SYSTEM WARRANTY AND EXCLUSIONS

Subject to the limitations and conditions set forth herein, Leviton (the "Manufacturer") warrant to the end-user, for the duration of the warranty, and not for the benefit of anyone else, that the structured cabling and connectivity hardware products (the "Products") comprising the Leviton structured cabling system (the "System") installed at the indicated project site will:

- Be free from defects in material and workmanship
- Meet or exceed applicable ratified TIA/EIA and ISO/IEC link/channel transmission performance standards in effect at the time of installation.
- Support any current or future application which is designed for transmission over a structured cabling system as defined by the above referenced standards in effect at the time of installation.

Warranty Exclusions

- Products used in the System, which were not specifically designated as being eligible for coverage under this warranty.
- Products used in the System, which were not supplied directly by the Manufacturer or through channels approved by the Manufacturer.
- Products used in the System, which were falsely or incorrectly represented as being in compliance with the warranty registration requirements of this warranty or were not included in the registration documents that were submitted to obtain coverage under this warranty.
- Defects caused by work performed outside of the Leviton work area, patching or equipment cords, or from moves, additions, and changes by parties other than a Certified Integrator/Installer, or an authorized contractor or personnel of the Manufacturer.
- Defects resulting from non-compliant or improper System design, installation, use, repair or System alterations, misuse, neglect, accident or abuse.
- Defects or System failures caused by events beyond reasonable control of the Manufacturer including, without limitation, act or omissions of customer, acts of God or government, such as, natural disasters or storms, fire, flood, water damage, paint or chemicals exposure, racial strife, labour disputes, failure or delay of transportation, or unavailability of parts or personnel.
- Products and System exposed to fire, smoke, water, paint, chemicals, solvents, or other elements for which the product was not designed.
- Products and System exposed to operating conditions outside of the product's stated rating or intended use.
- Power over Ethernet (PoE), Power over HDBASE-T (POH) and Remote Powering Applications. Leviton structured cabling products are designed and tested to be compliant with the electrical requirements for PoE, PoE+, POH, and remote powering applications as specified in the IEC 60512-99-001 standard. Remote powering applications in which the electrical energy or connector cycling exceeds the defined operating requirements of IEC 60512-99-001 may lead to excessive arcing damage to the connector interface and are not covered under this warranty.

Warranty Remedy

- For valid warranty claims, the Manufacturer will, at its sole discretion, use a Certified Integrator/Installer or personnel of the Manufacturer's choosing to replace, repair, or provide credit for any qualified System products that do not comply and cover reasonable costs of labour to affect necessary work.

Warranty Limitations

- THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, NON-INFRINGEMENT OR ANY OTHER MATTER. THE REMEDIES PROVIDED FOR IN THE PRECEDING PARAGRAPHS SHALL CONSTITUTE THE SOLE REMEDY OF END-USER AGAINST THE MANUFACTURER FOR BREACH OF ANY WARRANTY TO END-USER, WHETHER THE CLAIM IS MADE IN TORT OR IN CONTRACT, INCLUDING CLAIMS BASED ON WARRANTY NEGLIGENCE, STRICT LIABILITY, FRAUD, MISREPRESENTATION, OR OTHERWISE.
- In no event shall the Manufacturer be liable for special, indirect, incidental or consequential damages (regardless of the form of action, whether in contract or in tort, including negligence), including without limitation, lost sales or profits, lost data, System downtime, System outages, loss of use of the System or economic damage arising out of the failure of the System or the Products that form part of the System. The maximum aggregate liability of the Manufacturer for any claims for damage arising out of or connected with this warranty shall not exceed the end user/customer price paid for the Products giving rise to a claim. Labour claims will be paid in the form of product credit for the replacement or repair of only the defective product(s).
- This warranty is **non-transferable** and shall not benefit any party or parties other than the stated System end-user, first to use the system and is subject to the individual Product warranty Terms & Conditions of the Manufacturer.
- This warranty does not cover Systems which are no longer in use or which are no longer used for their originally intended purpose.

Warranty Claims Requirements

- Proper System design, installation, use and maintenance must be demonstrated to the Manufacturer.
- System documentation and maintenance records, all of which are the responsibility of the end-user, must be made available upon request. End-user shall provide free access to the System to original Certified Integrator/Installer, and the Manufacturer authorized personnel.

Claim Procedure

- Valid claims require the end-user to first resolve all non-connectivity hardware and non-cable related causes.
- Warranty claims shall promptly be first made to the original Certified Integrator/Installer or the local representative of the Manufacturer. Proof of warranty must be furnished by the person making the claim.
- System repair or replacement due to component failure will be performed only after the Manufacturer has reviewed and verified the System fails to meet the applicable ratified TIA/EIA and ISO/IEC link/channel transmission performance standards in effect at the time of installation prior to removal, replacement, or repair of any defective System Products

Certificate No: