**LEVITON**®

# IS6720 | CAT 6A HIGH-FLEX SF/UTP INDUSTRIAL SYSTEM

**High performance shielded Cat 6A system for heavy-duty industrial and harsh environment applications. 24-gauge stranded conductor, 600V, oil and sunlight resistant TPE jacket rated CMR-CMX Outdoor.**

- Berk-Tek High Flex stranded conductor cable is suitable for the most demanding continuous-motion and high-vibration industrial environments, rated CMR-CMX Outdoor for easy transition from outdoor to indoor environment

- DuraPort® industrial patch cords provide IP67-class protection to safeguard your connectivity from ingress of dust and water in Wash-in-Place (WIP) / Clean-in-Place (CIP) environments

- Ensures excellent alien crosstalk (AXT) and EMI/RFI immunity against electrical interference in industrial environments

- Atlas-X1® jack is independently tested to exceed performance standards and features an innovative design that allows for tool-free terminations and superior PoE performance

- Exceeds ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 Class EA requirements for channel, link, and component requirements to support IEEE 10GBASE-T (802.3an) networks

- Error-free performance up to 10 Gigabit Ethernet with full duplex transmission

- Backwards compatible with Gigabit Ethernet to provide seamless migration path to 10GBASE-T and supports all Cat 6 and Cat 5e system requirements

## RECOMMENDED FOR

Optimal total cost of ownership for challenging harsh environments in manufacturing, transportation, health care, and government
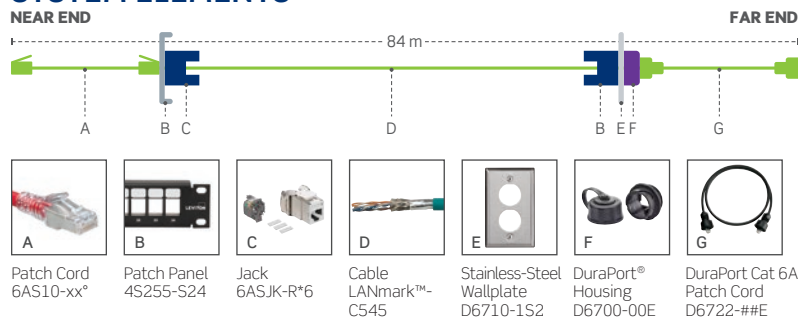
Network applications where EMI/RFI may be present and data security is critical

Networks with high bandwidth utilization requirements

PoE standards: IEEE 802.3af, 802.3at, 802.3bt, Cisco UPoE, and Power over HDBaseT™ (PoH) up to 100 watts

IEEE 802.11ac applications

**CAT 6A INDUSTRIAL**

## SYSTEM ELEMENTS

NEAR END ———————————— 84 m ———————————— FAR END

A    B C              D           B E F        G



| A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|
| Patch Cord 6AS10-xx° | Patch Panel 4S255-S24 | Jack 6ASJK-R*6 | Cable LANmark™-C545 | Stainless-Steel Wallplate D6710-1S2 | DuraPort® Housing D6700-00E | DuraPort Cat 6A Patch Cord D6722-##E |

# LEVITON HOUSINGS AND WALLPLATES

## DURAPORT® JACK HOUSINGS

- Twist-lock mating allows for easy installation and provides a robust seal
- Compatible with all Atlas-X1® and eXtreme® QuickPort® Jacks (sold separately)
- Captive cap with retainer protects and seals unused ports

## DURAPORT STAINLESS-STEEL WALLPLATES

- Patented overmolded gasket on wallplates provides a watertight fit
- Safeguards network in severe conditions and resists moisture and dust
- Provides a complete seal without o-rings
- Compatible with standard NEMA boxes

# LEVITON JACKS

## ATLAS-X1 CAT 6A SHIELDED QUICKPORT JACKS

- Tested and approved for air-handling spaces (plenum rating, UL Standard 2043)
- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology™ protects against tine damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimized tine geometry prevents arcing damage where plug and jack make contact, extending the life of the jack and ensuring maximum performance
- Unique tool-free design requires no specialized termination or re-termination tool
- Proudly manufactured in the U.S.

# LEVITON PATCH PANELS

## ATLAS-X1 CAT 6A SHIELDED QUICKPORT PATCH PANELS

- Stainless-steel "comb" maintains consistent ground path between jack and panel
- Available in 1RU 24-port and 2RU 48-port angled configurations
- Accepts all shielded QuickPort jacks
- Shielding protects against EMI and RFI, and provides excellent alien crosstalk (AXT) suppression

# LEVITON PATCH CORDS

## ATLAS-X1 CAT 6A SLIMLINE BOOT SHIELDED PATCH CORDS

- Cable construction provides data security and EMI/RFI protection
- Tested and verified for TIA Cat 6A component and channel requirements
- Nominal outer diameter of .24" reduces cable pathway congestion
- 26-gauge stranded for maximum flexibility
- SlimLine boot supports high-density patching and easy extraction with extended-reach latch release
- Snagless boot design prevents tab breakage during MACs
- Excellent alien crosstalk (AXT) suppression
- Country of Origin is U.S., manufactured using Berk-Tek cable
- Make-to-order custom lengths with quick turnaround times

## DURAPORT PATCH CORDS

- IP67 rating safeguards connectivity from dust and water ingress
- Available in industrial plug to industrial plug, and industrial plug to RJ-45 plug configurations
- Cat 6A shielded and Cat 6 UTP available in 3' to 50' lengths, black
- Compatible with Leviton heavy-duty Weatherproof Boxes, available in single-gang (1GM53, 1GM73) and two-gang (2GM53, 2GM55, 2GM73, 2GM75)

# BERK-TEK CABLE

## LANMARK™-C545 HIGH-FLEX SHIELDED CABLE

- Suitable for the most demanding, continuous motion, industrial applications
- High-Flex 24-gauge stranded conductor maintains performance in high vibration environments
- CMR and CMX Outdoor rating allows for easy transition from indoor to outdoor environments
- Verified to ANSI/TIA-568.2-D Category 6A
- Proudly manufactured in the U.S.

## PART NUMBERS - Common part numbers shown. Many additional colors, lengths, and other options available online.

| LEVITON HOUSINGS | | | | |
|---|---|---|---|---|
| Housing with Cap (jack sold separately) | | | | D6700-00E |
| Cap (housing not included) | | | | D6701-00E |
| **LEVITON WALLPLATES** | **1 PORT, SINGLE GANG** | **2 PORT, SINGLE GANG** | **2 PORT, DUAL GANG** | **4 PORT, DUAL GANG** |
| DuraPort Industrial Wallplate, stainless steel | D6710-1S1 | D6710-1S2 | D6710-2S2 | D6710-2S4 |
| **LEVITON JACKS** | **STANDARD** | **STANDARD (GREENPACK® 12-PACK)** | **SHUTTERED** | **ADDITIONAL ICONS** |
| Atlas-X1 Cat 6A Shielded QuickPort Jack | 6ASJK-R*6 | 6ASJK-C^6 | 6ASJK-S*6 | ICONS-IC* |
| **LEVITON PATCH PANELS** | | **1RU, 24-PORT** | **1RU, 48-PORT** | **2RU, 48-PORT** |
| Atlas-X1 Flat Shielded QuickPort Patch Panel+ | | 4S255-S24 | 4S255-D48 | 4S255-S48 |
| Atlas-X1 Angled Shielded QuickPort Patch Panel+ | | 4S256-S24 | 4S256-D48 | 4S256-S48 |
| **LEVITON PATCH CORDS** | | | | |
| Atlas-X1 Cat 6A SlimLine Boot Patch Cord | | | | 6AS10-xxº |
| DuraPort Industrial Plug to Industrial Plug | | | | D6722-##E |
| Industrial Plug to RJ-45 Plug | | | | D6723-##E |
| **BERK-TEK CABLE** | | | **TEAL** | **BLACK** |
| LANmark-C545, reel | | | 11099210 | 11100618 |

* = Jack Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Gray (G), Black (E), Brown (B)
^ = Jack Color: White (W), Gray (G), Black (E)     + = Sold empty, load with 6ASJK jacks     xx = Length: 3, 5, 7, 10, 15, 20 feet
º = Color: White (W), Yellow (Y), Blue (L), Black (E), Red (R), Green (G), Gray (S), Orange (O), Violet (V)     ## = Length in feet: 03, 05, 07, 10, 15, 20, 35, 50