

SYSTEM DATA SHEET — EUROPE

EXTREME® CAT 6 UNSHIELDED SYSTEM

Standard Cat 6 solution features eXtreme Cat 6 jacks and offers solid performance and value

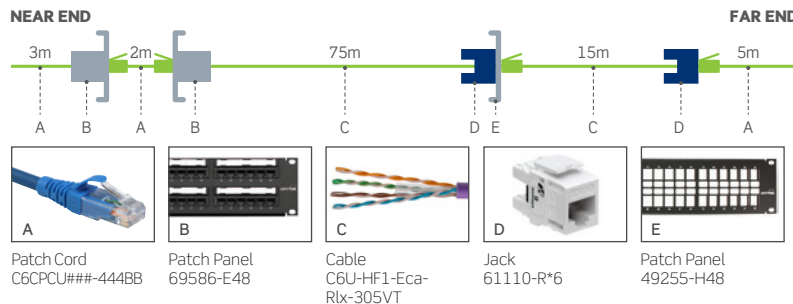
- Exceeds ISO/IEC 11801 Class E and ANSI/TIA-568-C.2 Cat 6 requirements for cabling systems performance to support IEEE 1000BASE-T networks
- Third-party verified by Intertek Testing Services (ETL)
- Error-free performance up to 1 Gigabit Ethernet with full duplex transmission
- Cost-effective standard Cat 6 solution

TYPICAL* SYSTEM PERFORMANCE PARAMETERS

EXTREME CAT 6 UNSHIELDED SYSTEM CHANNEL TYPICAL MARGINS*								
	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	ACR-F (ELFEXT) (dB)	PSACR-F (PSSELFEXT) (dB)	Return Loss (dB)	ACR-N (dB)	PSACR-N (dB)
Standard (250MHz)	36.0 dB	33.1 dB	30.2 dB	15.3 dB	12.3 dB	8.0 dB	2.9 dB	5.8 dB
Typical Performance Margin	5.5%	9.0 dB	10.0 dB	10.0 dB	11.0 dB	5.0 dB	10.0 dB	10.0 dB

*All parameters comply with ISO/IEC 11801 Class E requirements across the entire frequency range. System performance is representative of the specific components and topologies as listed on this system data sheet. Typical performance values are based on third-party lab verified testing, in-house testing and field test data. Field installed channel performance may vary based on the channel topology, installation practices, installation environment and accuracy of the handheld tester. Only Leviton approved testers may be used. All stated performance specifications are subject to the terms and conditions of the manufacturers warranties. Details at www.leviton.com.

SYSTEM TOPOLOGY



RECOMMENDED FOR

1000BASE-T network applications

Applications requiring compact, high-density design and reduced cable outer diameter

Network applications in financial, health care, government, transportation, and education environments

Networks with high bandwidth utilisation requirements

PoE standards: IEEE 802.3af, 802.3at, and Cisco UPoE up to 60 watts

Emerging PoE standards such as the draft IEEE 802.3bt, up to 60 watts

AV systems for high-end conference rooms and classrooms

CAT 6

eXtreme



JACKS

EXTREME® CAT 6 COMPONENT-RATED QUICKPORT® JACKS

- Exceed requirements for Category 6 described in ANSI/TIA-568-C.2 and Class E requirements described in ISO/IEC 11801
- Patented Retention Force Technology (RFT) protects against time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- Circuit board technology for exceptional high-frequency operation
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Pair Separation Tower design facilitates separation of conductors and minimises untwisting
- Patented dual-layer wiring label simplifies punchdown and reduces rework
- 90 or 180 degree bi-directional entry eases cable bend radius in back boxes
- Proudly manufactured in the U.S.



PATCH PANELS

EXTREME CAT 6 110-STYLE AND QUICKPORT PATCH PANELS

- Exceed requirements for Category 6 described in ANSI/TIA-568-C.2 and Class E requirements described in ISO/IEC 11801
- Independently tested and verified by Intertek (ETL) to meet all TIA component, permanent link, and channel requirements
- 110-Style available in flat and angled
- QuickPort available in flat, angled, recessed, and Zero-U configurations
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Include colour codes for T568A/B wiring schemes



PATCH CORDS

CAT 6 UNSHIELDED PATCH CORDS

- Low profile boots for higher density blade connectivity
- 24-gauge stranded conductors for maximum flexibility and extended flex life
- Nominal outer diameter of 5.8 mm (.228") to reduce cable pathways in racks and cabinets
- Available in five colors and stocked lengths of 1, 1.5, 2, 3, and 5 metres
- Make-to-order custom lengths are available



CABLE

CAT 6 UNSHIELDED CABLE, LSHF/LSZH

- 23-gauge solid annealed copper wire
- 4 unshielded twisted pairs cabled together, with central separator for increased internal crosstalk performance
- Available in a range of sheath materials to suit a variety of installation environments, including CPR fire performance ratings Eca, Dca, Cca and B2ca, and colour coded for identification
- Designed and constructed to give optimal electrical performance to the following standards:
 - ISO/IEC 11801 Class E, IEC 61156-5
 - EN 50173-1 and EN 50288-6-1
 - ANSI/TIA-568-C.2
- Supports Gigabit Ethernet

PART NUMBERS - Common part numbers shown. Many additional colours, lengths, CPR EuroClass ratings, and other options available online.

JACKS					
eXtreme Cat 6 Component-Rated QuickPort Jack					61110-R*6
PATCH PANELS		1RU 24-PORT	1RU 48-PORT	2RU 48-PORT	
Cat 6 Flat 110-Style Patch Panel		69586-E24		69586-E48	
Cat 6 Angled 110-Style Patch Panel		69587-U24		69587-U48	
Flat QuickPort Patch Panel+		49255-H24	4S255-D48	49255-H48	
Angled QuickPort Patch Panel+		49256-H24	4S256-D48	49256-H48	
PATCH CORDS	GREY	RED	BLUE	GREEN	YELLOW
Cat 6 Unshielded Patch Cord, LSHF/LSZH	C6CPCU###-888BB	C6CPCU###-111BB	C6CPCU###-444BB	C6CPCU###-555BB	C6CPCU###-666BB
CABLE					VIOLET
Cat 6 Cable, LSHF/LSZH (Additional higher EuroClass cables are available. Please contact your local Leviton representative for further information.)					C6U-HF1-Eca-Rlx-305VT

* = Colour: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Grey (G), Black (E), Brown (B)
 + = Sold empty, load with 61110 jacks ### = Length: 1 (010), 2 (020), 3 (030), 5 (050) metres