Specialized cable designs that simplify complex lighting systems
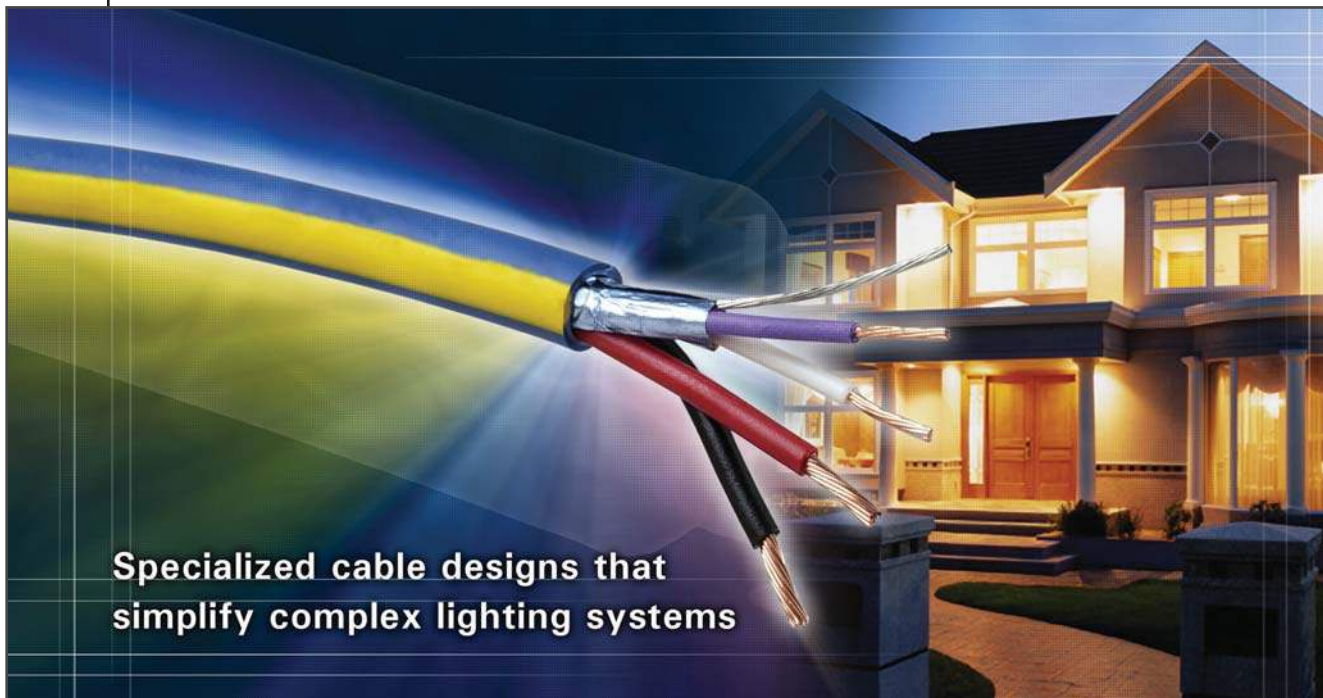
Architectural lighting has evolved into an equally critical and complex integrated system within modern residential and commercial spaces. Lighting system cabling no longer consists of simple building wire. Instead, each system has its own unique requirements for power and signal distribution between the supplies and control panels. To provide individual system solutions, Sheer Wire lighting cables are produced in a variety of control, power, and hybrid designs to meet the unique requirements of each system type. By combining these application-specific designs with time saving features and premium materials, Sheer Wire lighting cables reliably control and simplify the wiring of complex lighting systems.

LUTRON HOMEWORKS: POWER

LUTRON HOMEWORKS: KEYPAD

LUTRON HOMEWORKS: VAREO

LUTRON GRAFIK EYE

LUTRON SIVOIA

VANTAGE CONTROL

LITE TOUCH: CONTROL STATIONS

LITE TOUCH: ENCLOSURES & MODULES

Specialized Designs that Deliver Solutions

Sheer Wire lighting cables are produced in a variety of specific designs to provide complete solutions for almost every type of residential lighting system.

Meets or Exceeds Industry Standards

Each cable type is designed to meet or exceed the required industry or manufacturer standards.

Certified Specifications that Ensure Performance

Each reel of cable is tested and verified to deliver consistent performance and ensure reliable cable interconnect systems.

Premium Materials

Sheer Wire's innovate plastic and dielectric compounds deliver both exceptional physical and electrical properties such as low attenuation, flexibility, low friction when pulling, and flame retardancy.

Time Saving Features

Features such as easy-to-strip jackets, footage markers, and flexible packaging allow for quick and simplified installation.

Lutron Homeworks: Power
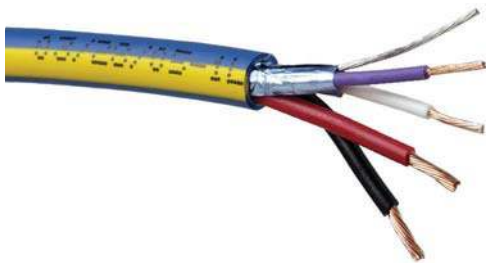### Low-loss Power Cable for Lutron Systems

- 18 Gage Conductors
- Two and Four Conductor Versions
- Shielded with Drain Wire
- Color Striped for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Shield	DrainWire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
182LUTDS	2	.268"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .015", Nylon, .005", 600 Volt, Black & Red, 39 pF/ft Between Conductors	100% Foil	20 AWG (7x28) Stranded TC, 10.2 Ω/Mft	PVC, Blue with Pink Stripe	TC Sunlight-Resistant, Direct Burial	44 lbs/Mft
				Lutron Homeworks™ Power Cable: Two-conductor					
184LUTDS	4	.314"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .015", Nylon, .005", 600 Volt, Black, Red, White, Green, 39 pF/ft Between Conductors	100% Foil	20 AWG (7x28) Stranded TC, 10.2 Ω/Mft	PVC, Blue with White Stripe	TC Sunlight-Resistant, Direct Burial	69 lbs/Mft
				Lutron Homeworks™ Power Cable: Four-conductor					

Lutron Homeworks: Keypad
Data and Power Cable for Lutron Keypads

- 22 Gage Shielded Single-pair
- 18 Gage Power Conductors
- Low-loss PE Insulation
- Yellow Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	Overall Diameter	Communication Elements	Power Elements	Jacket (Type, Color)	UL Type	Approx. Weight
18/22KYP	.253"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft Insulation: PE, .013", White & Violet, 22 pF/ft Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 18 AWG (16x30) Stranded BC 16.7 Ω/Mft Insulation: PVC, .015" Black & Red	PVC, Blue with Yellow Stripe	CL3 & CM	40 lbs/Mft
		Lutron Homeworks™ Keypad Cable				

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SHEER WIRE

Lutron Homeworks: Vareo
Single-pair Cable for Lutron Vareo Dimmers

- 22 Gage Conductors
- Foil Shield with Drain Wire
- Orange Stripe for Easy Identification
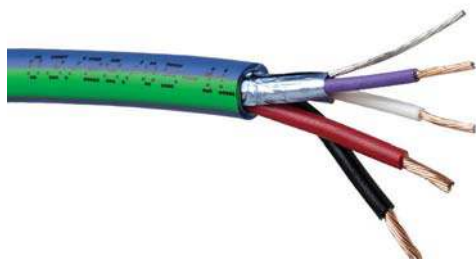- UL Rated for Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Shield	DrainWire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
222LUTDS	1	.176"	22 AWG (7x30) Stranded BC, 15.3 Ω/Mft	PVC, .015", Black & Red, 35 pF/ft Between Conductors	100% Foil	24 AWG (7x32) Stranded TC, 23.8 Ω/Mft	PVC, Blue with Orange Stripe	CL3, CM	19 lbs/Mft
Lutron Homeworks™ Vareo Dimmer Cable									

Lutron Grafik Eye
Data and Power Cable for Lutron Grafik Eye Systems

- 22 Gage Shielded Single-pair
- 18 or 12 Gage Power Conductors
- Ground Wire (12/22LGRX Only)
- Color Stripe for Easy Identification
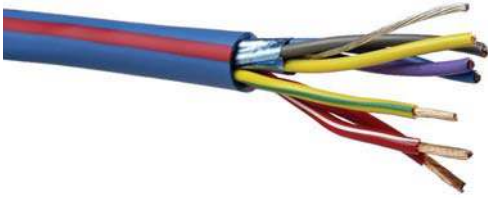- UL Rated for Permanent Installation

Mechanical Specifications

Part #	Overall Diameter	Communication Elements	Power Elements	Ground Elements	Jacket (Type, Color)	UL Type	Approx. Weight
18/22GFE	.253"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft Insulation: PE, .013", White & Violet, 22 pF/ft Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft Insulation: PVC, .015", Black & Red	N/A	PVC, Blue with Green Stripe	CL3 & CM	40 lbs/Mft
Lutron Grafik Eye™: 18 AWG Power Conductors							
12/22LGRX	.300"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft Insulation: PE, .013", White & Violet, 22 pF/ft Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 12 AWG (19x25) Stranded BC, 1.8 Ω/Mft Insulation: PVC, .015", Black & Red	Conductors: 1 Cond. 18 AWG (7x26) Stranded BC, 6.0 Ω/Mft Insulation: PVC, .010", Orange	PVC, Blue with Blue Stripe	CL3 & CM	85 lbs/Mft
Lutron Grafik Eye™: 12 AWG Power Conductors with Ground Wire							

Lutron Sivoia

**Multi-element Cable for
Lutron QED Shading Systems**

- 18 Gage Shielded Conductors
- 16 Gage Power Conductors
- Ground Wire
- Red Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	Overall Diameter	Communication Elements	Power Elements	Ground Elements	Master Jacket (Type, Color)	UL Type	Weight
16/18SVA	.380"	Conductors: 4 x 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft Insulation: PE, .015", Violet, Yellow, Gray, Blue, 17.5 pF/ft 100% Foil Shield with 20 AWG Drain Wire (10x30) TC	Conductors: 2 x 16 AWG (26x30) Stranded BC, 4.0 Ω/Mft Insulation: PVC, .015" Red/White & Red	Conductors: 1 x 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft Insulation: PVC, .015" Green/Yellow	PVC, Blue with Red Stripe	CL3 & CM	95 lbs/Mft

Lutron Sivoia QED Cable

Vantage Control

**Low-loss Power and Data Cable
for Vantage Control Systems**

- Low-loss 16 AWG Conductors
- Dual-layer Dielectric
- Power and Data are Transmitted Over a Single Pair
- Purple Jacket with Yellow Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Jacket (Type, Color)	UL Type	Approx. Weight
162VANT65	2	.285"	16 AWG (65x34) Stranded BC, 4.0 Ω/Mft	PVC, .016" Nylon, .005", Black & Red 25.7 pF/ft between conductors	PVC, Violet with Yellow Stripe	(UL) TC 600 volt or (UL) CL3 or CM 300 volt	46 lbs/Mft

16 AWG Vantage Control Cable

Lite Touch: Control Stations

**Four Conductor 16 Gage Cable
for Lite Touch Systems**

- Four 16 Gage Conductors
- Orange Jacket for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick Color Code, Capacitance)	Jacket (Type, Color)	UL Type	Approx. Weight
164LTCH	4	.300"	16 AWG (65x34) Stranded BC, 4 Ω/Mft	PVC, .015", Black, Blue, Red, White	PVC, Orange	CL3/PLTC	64 lbs/Mft

Lite Touch: Control Station Cable

Lite Touch: Enclosures & Modules

**Four Conductor 22 Gage Cable
for Lite Touch Systems**

- Four 22 Gage Conductors
- Foil Shield with Drain Wire
- UL Rated for Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick Color Code, Capacitance)	Shield	Drain Wire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
224SLTCH	4	.222"	22 AWG (7x30) Stranded BC, 15.3 Ω/Mft	PVC, .015", Black, Red, White & Green 35 pF/ft between conductors	100% Foil	24 AWG (7x32) Stranded BC, 23.8 Ω/Mft	PVC, Green	CL3 & CM	32 lbs/Mft

Lite Touch: Enclosures & Modules Cable