

## **PRODUCT CATALOG**

Metallic & Non-Metallic Outlet Boxes, Fiberglass Outlet Boxes, Extra-Duty Bubble Covers, Wiring Devices, Building Wire & Structured Cable, & Lighting











METALLIC & NON-METALLIC OUTLET BOXES
FIBERGLASS OUTLET BOXES
EXTRA-DUTY BUBBLE COVERS
WIRING DEVICES
BUILDING WIRE & STRUCTURED CABLE
LIGHTING

Manufacturer instructions must be followed and supplied hardware must be used.





# METALLIC & NON-METALLIC OUTLET BOXES





1 Gang Non-Metallic Outlet Box





1 Gang Non-Metallic Outlet Box

### **Product Description:**

1 Gang Non-Metallic Outlet Box

### **Application:**

Mounts to wooden stud in new work residential applications.

### Features:

- Nail holders allow for easy install to wooden stud.
- Wall alignment bracket for easy placement and screw holes.
   "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

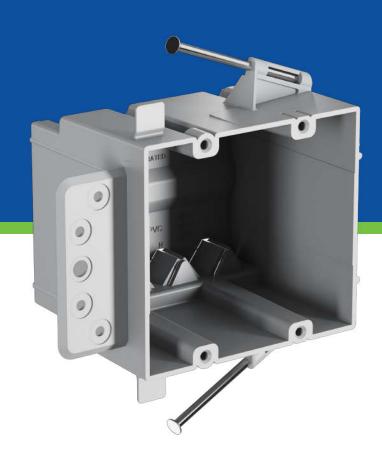
- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

ltem Code:	LIC-1G
Trade Code:	1 Gang
Volume:	22.5 CU.IN.
Type of Installation:	New Work
Height:	4.16 inches
Width:	3.5 inches
Depth:	3.45 inches









2 Gang Non-Metallic Outlet Box





2 Gang Non-Metallic Outlet Box

### **Product Description:**

2 Gang Non-Metallic Outlet Box

### **Application:**

Mounts to wooden stud in new work residential applications.

#### **Features:**

- Nail holders allow for easy install to wooden stud.
- Wall alignment tabs for easy placement and screw holes.
- Assisting bracket for added stability.
- "V" wire clamps for securing the wire.
- UL Listed.
- · 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-2G
Trade Code:	2 Gang
Volume:	36 CU.IN.
Type of Installation:	New Work
Height:	5.81 inches
Width:	5.19 inches
Depth:	3.19 inches









3 Gang Non-Metallic Outlet Box





3 Gang Non-Metallic Outlet Box

### **Product Description:**

3 Gang Non-Metallic Outlet Box

### **Application:**

Mounts to wooden stud in new work residential applications.

### Features:

- Nail holders allow for easy install to wooden stud.
- Wall alignment tabs for easy placement and screw holes.
- Assisting bracket for added stability.
- "V" wire clamps for securing the wire.
- UL Listed.
- · 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

ltem Code:	LIC-3G
Trade Code:	3 Gang
Volume:	57 CU.IN.
Type of Installation:	New Work
Height:	5.81 inches
Width:	7.14 inches
Depth:	3.48 inches



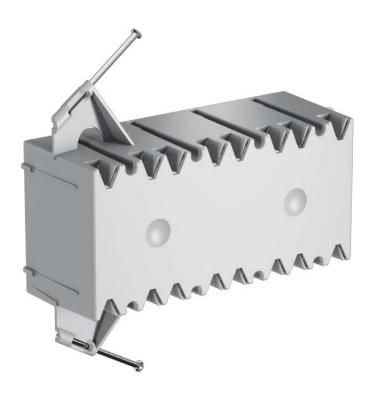






4 Gang Non-Metallic Outlet Box





4 Gang Non-Metallic Outlet Box

### **Product Description:**

4 Gang Non-Metallic Outlet Box

### **Application:**

Mounts to wooden stud in new work residential applications.

#### **Features:**

- Nail holders allow for easy install to wooden stud.
- Wall alignment tabs for easy placement and screw holes.
- Assisting bracket for added stability
- "V" wire clamps for securing the wire.
- UL Listed.
- · 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-4G
Trade Code:	4 Gang
Volume:	60 CU.IN.
Type of Installation:	New Work
Height:	7.82 inches
Width:	8.88 inches
Depth:	2.77 inches



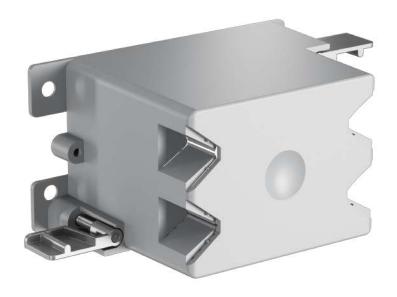






1 Gang Non-Metallic Outlet Box Old Work





1 Gang Non-Metallic Outlet Box Old Work

### **Product Description:**

1 Gang Non-Metallic Outlet Box

### **Application:**

Mounts into a pre-cut hole in old work residential applications.

#### Features:

- Mounting tabs for easy install.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

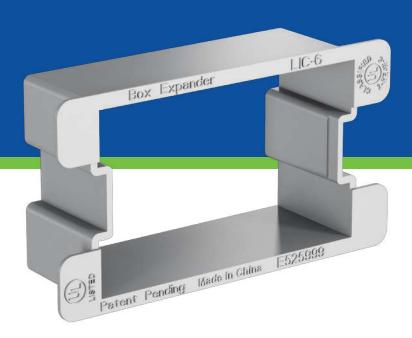
- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-5
Trade Code:	1 Gang
Volume:	14 CU.IN.
Type of Installation:	Old Work
Height:	4.15 inches
Width:	2.26 inches
Depth:	2.80 inches



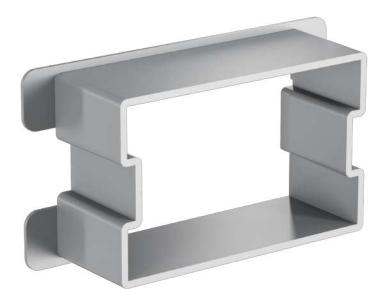






1 Gang Non-Metallic Box Expander





1 Gang Non-Metallic Box Expander

### **Product Description:**

1 Gang Non-Metallic Box Expander

### **Application:**

Slides into 1 Gang New Work Outlet Boxes.

#### Features:

- Fits around Dimmers and GFCI Devices.
- Fits into 1 Gang New Work Boxes.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-6
Trade Code:	1 Gang
Volume:	6 CU.IN.
Type of Installation:	New Work
Height:	4.0 inches
Width:	2.20 inches
Depth:	1.20 inches







4/0 Round Old-Work Ceiling Box





4/0 Round Old-Work Ceiling Box

### **Product Description:**

4/0 Round Ceiling Box Old Work

### **Application:**

Mounts into a pre-cut hole in old work residential applications.

#### Features:

- Mounting tabs for easy install.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.
- Acceptable for up to 6 lb. fixture support.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

ltem Code:	LIC-7
Trade Code:	4/0 Round
Volume:	18 CU.IN.
Type of Installation:	Old Work
Height:	2.67 inches
Width:	4.39 inches
Depth:	4.39 inches









4/0 Round Box (Ceiling Box) with Adjustable Bar





4/0 Round Box (Ceiling Box) with Adjustable Bar

### **Product Description:**

4/0 Round Box (Ceiling Box) with Adjustable Bar

### Application:

Adjustable ceiling fixture box for new work residential.

#### **Features:**

- With Adjustable Bar.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.
- Acceptable for up to 50 lb. fixture support.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-8
Trade Code:	4/0 Round
Volume:	20 CU.IN.
Type of Installation:	New Work
Height:	2.30 inches
Width:	4.06 inches
Depth:	4.06 inches









Heavy Duty Fan Box





Heavy Duty Fan Box

### **Product Description:**

**Heavy Duty Fan Support** 

### Application:

Ceiling Fan Support Mounts to wooden stud.

#### Features:

- For fixture support of 150 lbs or less.
- Acceptable for fan support of 70 lbs or less.
- L-shaped saddle style fan box screws straight to wooden stud using 10-32 screws.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.
- · Wire protecting cap.
- · Use provided screws only.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-9
Trade Code:	4/0 Round
Volume:	12 CU.IN.
Type of Installation:	New Work
Height:	4.0 inches
Width:	4.10 inches
Depth:	









Ceiling Fan Outlet Box





Ceiling Fan Outlet Box

### **Product Description:**

Ceiling Fan Outlet Box

### Application:

Mounts to wooden stud using provided screws.

#### **Features:**

- Rated for up to 35 lb ceiling fan support.
- Rated for up to 50 lb. fixture support.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.
- Use provided screws and washers only.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

Item Code:	LIC-10
Trade Code:	4/0 Round
Volume:	8 CU.IN.
Type of Installation:	New Work
Height:	1.36 inches
Width:	4.30 inches
Depth:	









4/0 Nail-on Fixture Box





4/0 Nail-on Fixture Box

### **Product Description:**

Ceiling Fan Outlet Box

### Application:

Mounts to wooden stud using provided screws.

#### Features:

- Rated for 35 lbs ceiling fan.
- Rated for 50 lbs fixture weight.
- "V" wire clamps for securing the wire.
- UL Listed.
- 2 Hour Fire Rating.
- Thick PVC material creates stability and rigidity.
- Use provided screws and washers only.

- UL Listed to UL 514C
- UL Classified for 2 Hour Fire Resistance

ltem Code:	LIC-11
Trade Code:	4/0 Round
Volume:	8 CU.IN.
Type of Installation:	New Work
Height:	1.36 inches
Width:	4.30 inches
Depth:	







Metal Fan Support Box





Metal Fan Support Box

### **Product Description:**

1-1/2" Octagon Ceiling Fan Box with Adjustable Bar

### **Application:**

Mounts to wooden stud for fan / fixture support.

### Features:

- Metal support bar extends from 16" to 24".
- · Green bonding screw included.
- Fixture moutning hardware included (10-32 x 1" and 8-32 acceptable).
- Adjustable metal box slides along meatl bar for precise location.
- Three 1/2" knockouts.
- UL 514A, CSA C22.2 Approval.

Item Code:	LIC-12
Trade Code:	4 inches
Volume:	15.8 CU.IN.
Type of Installation:	New Work
Diameter:	4 inches
Length:	24 inches

### **Certifications:**

UL Listed to UL 514A



## **Packaging & Shipping Information**

ltem #	Carton (L) in.	Carton (W) in.	Carton (H) in.	Quantity per Carton (PCS)	Quantity of Cartons per 40HQ	Quantity per 40HQ (PCS)
LIC-1G	21.25	12.99	18.50	100	760	76000
LIC-2G	24.40	21.25	16.93	100	480	48000
LIC-3G	26.57	16.14	18.70	60	465	27900
LIC-4G	27.16	17.32	14.96	40	570	22800
LIC-5	19.29	18.70	15.35	200	701	140200
LIC-6	20.47	17.72	13.98	400	805	322000
LIC-7	20.47	16.73	14.96	100	840	84000
LIC-8	22.05	14.96	12.20	60	1008	60480
LIC-9	21.65	17.72	15.35	120	670	80400
LIC-10	22.24	17.72	12.20	200	840	168000
LIC-11	23.62	18.11	15.15	90	741	66690
LIC-12	22.05	15.35	5.70	12	1930	23160





## FIBERGLASS OUTLET BOXES





## ITEM NO: LIC-F1G

Fiberglass Outlet Box





### **ITEM NO: LIC-F1G**

Fiberglass Outlet Box

### **Product Description:**

1 Gang Nail on Fiberglass Outlet Box.

#### **Application:**

Mounts to wooden stud in new work residential applications.

<b>Featur</b>	es:

- Knockouts on fiberglass boxes are complete, reducing drafts and easily removed with wire for no tools installation.
- Device holes are pre-tapped and tapered.
- · Feature factory installed Speed Klamps.
- High Strength Fiberglass Reinforced Polyester Material.
- Non-distorting in high heat, impact resistant in cold temps.
- Machine tapped device holes for faster installation.

Item Code:	LIC-F1G	
Cubic Capacity:	22.5 cu. in.	
Type of Installation:	New Work	

- Fire Resistance Classification in Wall Assemblies 2-Hours or less.
- Shall be separated by a horizontal distance of not less than 3 inches.
- Fire Resistance Classification in Floor-Ceiling Assemblies 2-Hours or Less.
- Distance between boxes in adjacent cavities may be reduced to 5-1/2 inches.

#### **Certifications:**

ETL Listed







## ITEM NO: LIC-F2G

Fiberglass Outlet Box





### **ITEM NO: LIC-F2G**

Fiberglass Outlet Box

### **Product Description:**

2 Gang Nail on Fiberglass Outlet box.

#### **Application:**

Mounts to wooden stud in new work residential applications.

#### **Features:**

- Knockouts on fiberglass boxes are complete, reducing drafts and easily removed with wire for no tools installation.
- Device holes are pre-tapped and tapered.
- · Feature factory installed Speed Klamps.
- High Strength Fiberglass Reinforced Polyester Material.
- Non-distorting in high heat, impact resistant in cold temps.
- Machine tapped device holes for faster installation.

- Item Code:LIC-F2GCubic Capacity:22.5 cu. in.Type of Installation:New Work
- Fire Resistance Classification in Wall Assemblies 2-Hours or less.
- Shall be separated by a horizontal distance of not less than 3 inches.

### **Certifications:**

• ETL Listed







## ITEM NO: LIC-F3G

Fiberglass Outlet Box





### ITEM NO: LIC-F3G

Fiberglass Outlet Box

### **Product Description:**

3 Gang Nail on Fiberglass Outlet Box.

#### **Application:**

Mounts to wooden stud in new work residential applications.

#### **Features:**

- Knockouts on fiberglass boxes are complete, reducing drafts and easily removed with wire for no tools installation.
- Device holes are pre-tapped and tapered.
- · Feature factory installed Speed Klamps.
- High Strength Fiberglass Reinforced Polyester Material.
- Non-distorting in high heat, impact resistant in cold temps.
- Machine tapped device holes for faster installation.

- Item Code:LIC-F3GCubic Capacity:22.5 cu. in.Type of Installation:New Work
- Fire Resistance Classification in Wall Assemblies 2-Hours or less.
- Shall be separated by a horizontal distance of not less than 3 inches.

### **Certifications:**

• ETL Listed







Fiberglass Outlet Box





# ITEM NO: LIC-F40

Fiberglass Outlet Box

#### **Product Description:**

4/0 Nail on Fiberglass Outlet Box

#### **Application:**

Mounts to wooden stud for fixture support up to 50 lbs.

#### Features:

- Knockouts on fiberglass boxes are complete, reducing drafts and easily removed with wire for no tools installation.
- Device holes are pre-tapped and tapered.
- · Feature factory installed Speed Klamps.
- High Strength Fiberglass Reinforced Polyester Material.
- Non-distorting in high heat, impact resistant in cold temps.
- Machine tapped device holes for faster installation.

Item Code:	LIC-F40
Cubic Capacity:	22.5 cu. in.
Type of Installation:	New Work

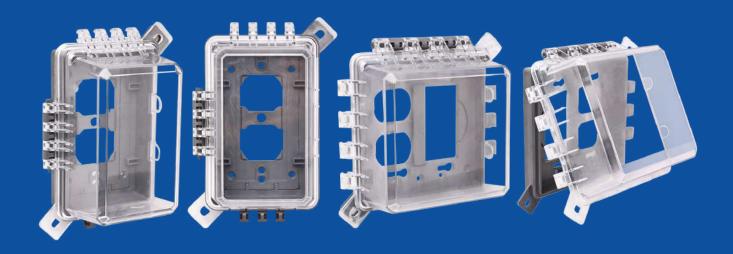
- Fire Resistance Classification in Wall Assemblies 2-Hours or less.
- Shall be separated by a horizontal distance of not less than 3 inches.
- Fire Resistance Classification in Floor-Ceiling Assemblies 2-Hours or Less.
- Distance between boxes in adjacent cavities may be reduced to 5-1/2 inches.

#### Certifications:

ETL Listed







# EXTRA-DUTY BUBBLE COVERS





# ITEM NO: LIC-BC1G

In-Use Weatherproof Bubble Cover





# **ITEM NO: LIC-BC1G**

In-Use Weatherproof Bubble Cover

#### **Product Description:**

Extra-Duty 1 Gang Vertical / Horizontal Non-Metallic In-Use Weatherproof Cover.

Item Code:	LIC-BC1G
Trade Code:	1 Gang

#### **Application:**

Mounts and screws to 1 gang outlet box.

#### **Features:**

- Extra-Duty In-Use Weatherproof Design.
- Up to 20 Amp, 125V and 250V Receptacles.
- Wiring Device Type-Specific Inserts Included.
- · Lockable for security.
- ETL Listed.

#### **Certifications:**

- Complies with NEC Section 406.9(B)(1), New CSA C22.2 No. 42.1-00.
- ETL Certification



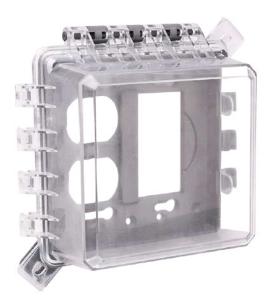




# ITEM NO: LIC-BC2G

**Bubble Cover** 





# **ITEM NO: LIC-BC2G**

**Bubble Cover** 

#### **Product Description:**

Extra-Duty 2 Gang Vertical / Horizontal Non-Metallic In-Use Weatherproof Cover.

Item Code:	LIC-BC2G
Trade Code:	2 Gang

#### **Application:**

Mounts and screws to 2 gang outlet box.

#### **Features:**

- Extra-Duty In-Use Weatherproof Design.
- Up to 20 Amp, 125V and 250V Receptacles.
- Wiring Device Type-Specific Inserts Included.
- · Lockable for security.
- ETL Listed.

#### **Certifications:**

- Complies with NEC Section 406.9(B)(1), New CSA C22.2 No. 42.1-00.
- ETL Certification



# **Types of Bubble Covers**

#### **Residential Grade - Bubble Covers**

Photo	Cat. No.	Description	Orientation	Color	Depth
	LIC-BC1G	1-Gang Extra Duty Horizontal / Vertical Non-Metallic Weatherproof In-Use Cover	Universal	Gray / Clear	2-7/8"
	LIC-BC2G	2-Gang Extra Duty Horizontal / Vertical Non-Metallic Weatherproof In-Use Cover	Universal	Gray / Clear	2.65"



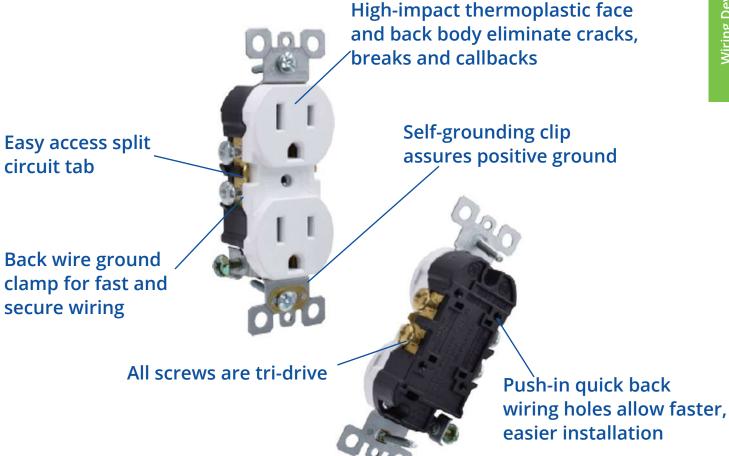


# WIRING DEVICES





### RESIDENTIAL GRADE RECEPTACLE



#### **Benefits**

- Meets 2017 NEC requirement for tamper resistant and weather resistant.
- Available in standard duplex style or decorative style.
- Captive mounting screws.
- Push wire accepts #14 AWG solid copper wire only.
- Side and back wire accepts #12 #14 AWG solid.
- High impact-resistant thermoplastic construction.
- Flammability rating is V-2 per UL94.
- Back and side terminal wiring options for ease of installation.
- Self grounding.

# **Types of Outlets**

# Residential Grade - Duplex Receptacles, 2-Pole, 3-Wire Grounding

Photo	Model	Rating (A.V.)	Function	Wiring Style	Grounding	NEMA
	R2S15 R2ST15	15 120	Standard TR	Push wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2ST15 RL2STW15	15 120	TR TR&WR	Back wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	R2S20	15 120-277	Standard	Side wire only  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2ST20 RL2STW20	15 120-277	TR TR&WR	Back wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	



### **Types of Outlets**

# Residential Grade - Decorative Receptacles, 2-Pole, 3-Wire Grounding

Photo	Model	Rating (A.V.)	Function	Wiring Style	Grounding	NEMA
	R2D15 R2DT15	15 125 15 125	Standard TR	Push wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
qap           dab	RL2DT15 RL2DTW15	15 125 15 125	TR TR&WR	Back wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	R2D20	20 125	Standard	Side wire only  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2DT20 RL2DTW20	20 125 20 125	TR TR&WR	Back wire & side wire  UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	



## Part Number Key

#### Residential Grade - 2-Pole, 3-Wire Grounding

Device	Hole Size	Number of Outlets	Style	Tamper Resistant	Weather Resistant	Color
R =	(Blank) =	1 = 1 Outlet	S =	(Blank) =	(Blank) =	WH =
Receptacle	Standard	2 = 2 Outlets	Standard	<b>Not Tamper</b>	Not Weather	White
	L = 10-AWG		D =	Resistant	Resistant	GY =
	Compaible		Decorative	T = Tamper	W = Weather	Gray
				Resistant	Resistnat	







## **Decorative Switch**

- Accepts #12 and #14 AWG
- Push wire #14 AWG
- High-impact resistant thermoplastic construction
- Narrow back body leaves more space for wires in the box
- Smooth, quiet paddle action
- Easy-access green hex head ground screw
- Tri-drive ground, terminal and mounting screws
- Self-grounding models provide automatic groun clip

# Toggle Switch

- Thermoplastic toggle and enclosure
- HIgh-impact resistant construction
- Side wire #12 and #14 AWG
- Push wire #14 AWG
- Tri-drive ground, terminal and mounting screws
- Easy-access green hex head ground screw
- Smooth, quiet toggle action
- Self-grounding models provide automatic ground clip



# Types of Switches

#### **Residential Grade**

Photo	Model	Rating (A.V.)	Description	Spec.
	S1T15WH S1T15WHS S1T15WHL	15 120	Single pole toggle switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S3T15WH S3T15WHS S3T15WHL	15 120	3 way toggle switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S4T15WH S4T15WHS	15 120-277	4 way toggle switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding
346	S1D15WH S1D15WHS S1D15WHL	15 120-277	Single Pole Decorative Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
200	S3D15WH S3D15WHS S3D15WHL	15 120-277	3 Way Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
Q <sub>B</sub> o	S4D15WH S4D15WHS	15 120-277	4 Way Decorative Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding

# Types of Switches

### **Commercial Grade**

Photo	Model	Rating (A.V.)	Description	Spec.
	S1T20WH S1T20WHS	20 120-277	Single Pole Toggle Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S3T20WH S3T20WHS	20 120-277	3 Way Toggle Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S1D15WH S1D15WHS	20 120-277	Single Pole Decorative Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S3D20WH S3D20WHS	20 120-277	3 Way Decorative Switch  UL approved for use with copper or copper-clad wire	Standard Self-Grounding

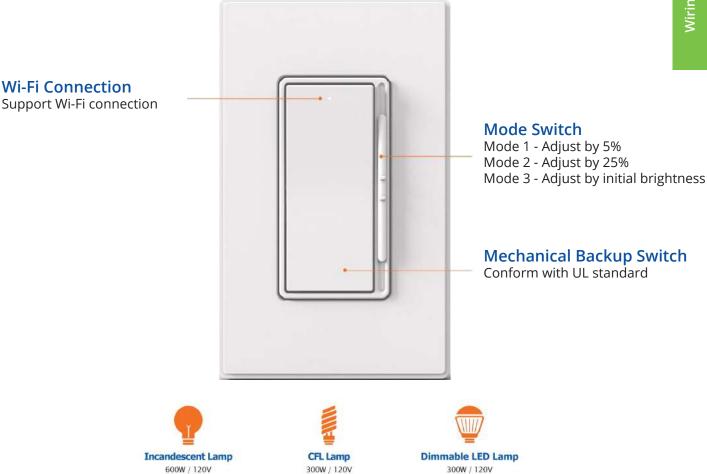




# ROCKER SWITCH SLIDE DIMMER



### **ROCKER SWITCH SLIDE DIMMER**



Note: LED lamps are classified as dimmable and non-dimmable. Please make sure your LED lamp is dimmable.

#### **Features and Benefits**

- Adjustable initial brightness setting for different type of lights.
- Compatible with 99% of light bulbs on the market today.
- Tough thermoplastic housing shrugs off impacts and is scrath proof.
- Modern ergonomic element incroporates with compact design saving more room for junction box and match your deco style.
- Location indicator LED light, options on/off status for personalized demand.
- Energy saving & long operating life.

Туре о	Type of Dimmers						
Traditional Dimmer Switch							
Photo	P/N	Rating	Description	Load Capacity	Option		
	D3DWH	120V, 60Hz	Traditional slide dimmer on/off switch	Incadescent 600W CFL 300W LED 300W	Single pole		

# Part Number Key

#### **Traditional Dimmer Switch**

Device	Number of Poles	Style	Pre-Set	Back Light
D =	3 = Three Way	T = Toggle	(Blank) =	(Blank) =
Dimmer Switch		R = Rotary	No Pre-Set	No Back Light
		D = Decorative	S = Pre-Set	L = Back Light



# Types of Outlets

#### **Combination Devices**

Photo	Model	Rating (A.V.)	Description	Wiring Style
0.00	S2C13D	15 120	Single pole & 3-way switch  UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C3D	15 120	Two (2) 3-way switch  UL approved for use with copper or copper-clad wire	Side wire & back wire
	S3C1D	15 120	Three (3) switches single pole  UL approved for use with copper or copper-clad wire	Side wire & back wire
*	S2C1T	15 120	Two (2) single pole switch  UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C13T	15 120	Single pole & 3-way switch  UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C3T	15 120	Two (2) 3-way switch  UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C1D	15 120	Two (2) single pole switch  UL approved for use with copper or copper-clad wire	Side wire & back wire



# Part Number Key

### **Combination Devices**

Device	Number of Poles	Number of Switches	Туре	Style
S = Switch	1 = 1 Pole	2 = 2 Switches	C = Combination	D = Decorative
	3 = Three Way	3 = 3 Switches		
	13 = Single pole, Three Way			











#### **Features and Benefits**

- Range and dryer devices offer heavy-duty connections in either surface mount or flush mount configurations.
- Heavy gauge galvanized steel mounting strap for corrosion resistance.
- Flush receptacles are completely ready-to-wire, shorten installation time significantly.
- Surface receptacles with adjustable cord clamp allow for wiring.
- Receptacles for use with copper or aluminum wire.
- · Flush receptacles fit two-gang enclosure.

#### **Specifications**

- 3 and 4 wire configurations.
- Power outlets are 30A or 50A configurations.
- Operating temperature is from -40°C to 60°C.
- Terminal accepts #10, #8 to #4 AWG.
- Flammability rating is V-2 per UL94.
- Flush and surface receptacles accept both copper or aluminum wire.
- Nylon housing provides high impact resistance.



### **Types of Outlets**

# Flush Mount Power Outlet, 3-Pole, 4-Wire Grounding

Photo	Model	Rating (A.V.)	Description	NEMA
•	R1S30 R1M30 R1L30	30 125/250	Back wire, AL/CU	(]" []" []" []" []" []" []" []" []" []" [
•	R1S50 R1M50 R1L50	50 125/250	Back wire, AL/CU	(  \frac{\text{\sigma}^0}{\text{\left[ \frac{1}{3}\text{\left[ \frac{1}\text{\left[ \frac{1}{3}\text{\left[ \frac{1}{3}\text{\left[ \frac{1}\text{\left[ \frac{1}{3}\text{\left[ \frac{1}{3}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\text{\left[ \frac{1}\left[

Notes:







## Part Number Key

Flush Mount Power Outlet, 3-Pole, 4-Wire Grounding

Device	Number of Outlets	Style	Amp
R = Receptacle	1 = 1 Outlet	S = U.S. Standard	20 = 20 AMP
	2 = 2 Outlets	M = Special Purpose	30 = 30 AMP
		L = Canadian Standard	50 = 50 AMP



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# USB CHARGER DEVICES





USB Receptacle with Type-A & Type-C ports and also with power of 25W, 27W and 30W





#### **Features and Benefits**

- High quality, high energy efficiency USB receptacles provide a smart choice in the fast charging solutions.
- USB receptacles with both Type A USB port for charging phones / tablets and Type C USB port for charging newer and future devices.
- Meanwhile, it charges faster with more watts and higher current.



#### CC / CV (Constant Current / Constant Voltage) Mode Control

As many different types of electronice devices need constant voltage or constant current to operate, USB ports support the way to change the mode of CC / CV in different situations to ensure the process of charging in the good way.

#### **Backflow Protection**

It provides the protection to prevent the electric current flow back from your devices to power supply.

#### **Overheating Protection**

USB Type A

Build in one heat-sensing component to shut down the charger when excessive heat is generated within the USB receptacle, halting the temperature climb before it damages the device.

#### **Smart Chip and Faster Charging**



USB receptacles feature a smart chip that recognizes and optimizes the charging power of your electronic devices for fast and efficient charging of tablets, phones, gaming devices, e-readers and a host of other electric devices.

Overvoltage Protection

Undervoltage Protection



Overcurrent Protection

Overload Protection

Short Circuit Protection

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# Types of USBs

# High-rated USB Receptacles

Photo	Model	Description	USB	Charging
	AAAR2DT15	Triple USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AAAR2DT20	Triple USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AACR2DT15	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
4 1 1 1 1 1	AACR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CACR2DT15	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
1 1 1	CACR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CCR2DT15	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only  UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
T   T   T   T   T   T   T   T   T   T	CCR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0

Photo	Model	Description	USB	Charging	ses
	AAR2DT15	Dual USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung	Wiring Devices
	AAR2DT20	Dual USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung	
	ACR2DT15	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only  UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung PD 3.0	
1   1   1   1   1   1   1   1   1   1	ACR2DT20	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only  UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung PD 3.0	

# Part Number Key

## High-rated USB Receptacles

USB Combination	Device	Number of Outlets	Style	Туре	Amp
AA = Two USB A's	R = Receptacle	2 = 2 Outlets	D =	T = Tamper	15 = 15 Amp
AAAA = Four USB A's	(Blank) =	(Blank) =	Decorative	Resistant	20 = 20 Amp
CAC = Two USB C's,	No Receptacle	No Outlets,		(Blank) =	
One USB A		None		Not Tamper	
AAC = Two USB A's,				Resistant	
One USB C					
AC = One USB A,					
One USB C					





These GFCI protective devices meet and/or exceed UL 943 requirements for end of life and auto-monitor function. The GFCI conducts an automatic test to determine continued GFCI protection. In an event that the GFCI can no longer provide ground fault protection, the GFCI will automatically interrupt power and/or provide visual indication of impairment, requiring replacement of the protective device.



#### **Applications**

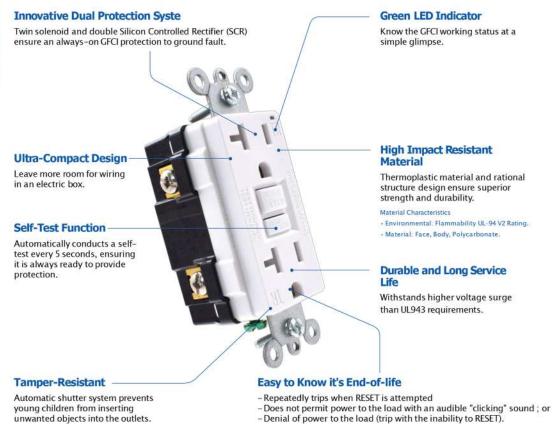
- Residential kitchens, bathrooms, garages, basements, laundry rooms, wet sinks and other we locations around the house.
- Educational Facilities classrooms, restrooms, laboratories, dormitories and kitchens
- Airports public bathrooms, general-use and maintenance areas
- Restaurants, Lodging and Retail Malls public bathrooms, genereal-use and maintenance areas
- Commercial Offices bathrooms, basement areas, hallways and kitchen facilities
- Public Areas wherever receptacles are located near wet or damp locations

#### **Features and Benefits**

- GFCI detects ground fault and trips to provide protection during its whole life period.
- The GFCI receptacles conduct an auto-monitor function self-test every five seconds exceeding UL 943 requirements for a frequency of 3 hours.
- Excellent electronic design to minimize any false energization.
- Miswire protection iterrupts power in an event that the GFCI receptacle is miswired by interposing line and load branch circuit supply wiring. The GFCI receptacle will deny power to receptacle face and downstream.
- Robust electronic design to minimize any false or unwanted nuisance tripping from high frequency noise to maintain continued in-service.
- Quality electronics provide the GFCI with a superior immunity to electrical surges and over-voltage events.
- Innovated reset disabled system motivated the GFCI cannot be reset once it reaches "end of life"
- Super tine LED indicator light has the one-way indication for GFCI properly working condition. "Glimpse" design to minimize unnecessary light during sleeping hours.
- Extra-large silver-alloy contractor with great alignment to ensure the GFCI have the superior resistance to dielectric, overload as well as the abnormal operations.
- Advanced "Build two-in-one of twin solenoid" and "Double SCR" design provides GFCI extended service life.







#### **Features and Benefits**

- UL and CUL listed.
- Operating Temperature: -31°F (-35°C) to 151°F (66°C).
- Mounting screws are captive, saving installation time.
- Color matching thermoplastic wall plat is provided as per customers option.
- Class A GFCI meets or exceeds the maximum allowable trip clearing times per UL 943.
- "Ultra-Compact Profile" ensures additional wiring space to wire products to provide excellent allignment and mounting ease of GFCI receptacles.



# Weather-Resistant Receptacles

- Meets 2017 NEC Code Requirements.
- Listed to the weather-resistant supplement of UL498, meeting UL requirements including:

Ultraviolet light exposure test. Cold impact test

Accelerated aging test

- Stringent material requirements for current-carrying parts, wire screws and mounting straps to ensure superior corrosion resistance.
- Receptacles still require a weatherproof cover in the wet or damp locations.
- WR marking on the face as required by UL standard.



# Tamper-Resistant Receptacles

- Protection is always there with tamper-resistant receptacles. It is reliable, automatic and permanent.
- Spring-loaded shutter mechanism restricts access to an object in any one side of the receptacle.
- Insertion of a two or three bladed plug will open the shutters, allowing electrical contacts.

### **Types of GFCI Receptacles**

#### Self-test GFCI Receptacle

Photo	P/N	Rating (A.V.)	Description	NEMA
986	G15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	[] [] w 5-15R
996	G20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	U S-20R

## Self-test GFCI Receptacle Tamper-Resistant

Photo	P/N	Rating (A.V.)	Description	NEMA
936	GT15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	5-15R
936	GT20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	5-20R

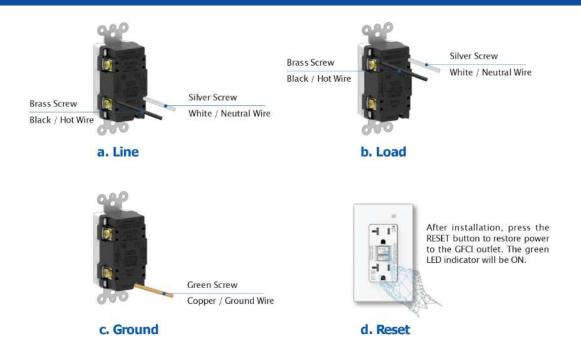
### Self-test GFCI Receptacle Tamper-Resistant (Weather-Resistant)

Photo	P/N	Rating (A.V.)	Description	NEMA
936	GTW15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	0 w 5-15R
	GTW20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	© ° w □ □ □ 5-20R

### Self-test Blank Face GFCI Receptacle (Weather-Resistant)

Photo	P/N	Rating (A.V.)	Description	NEMA
	GF15WH	15 125	Blank Face UL approved for use with copper or copper-clad wire	5-15R
	GF20WH	20 125	Blank Face UL approved for use with copper or copper-clad wire	5-20R

#### Installation



### **Part Number Key**

#### **GFCI** Receptacles

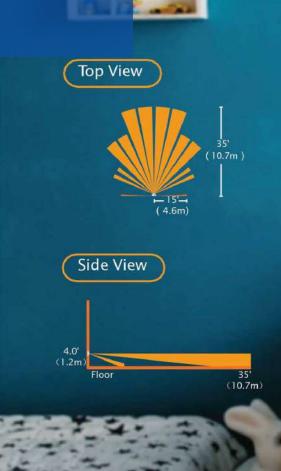
Device	Туре	WR	Amp	Color
G = GFCI	T = Tamper Resistant F = Faceless	W = Weather Resist (Blank) = Not Weather Resistant	15 = 15 Amp 20 = 20 Amp	WH = White BK = Black BR = Brown LA = Light Almond IV = Ivory GY = Gray

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# SENSOR OCCUPANCY & VACANCY

Light up your home in a gentle night



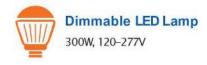












#### **Features and Benefits**

- Low noise and high sensitivity
- Automatic ON or manual ON is optional
- Automatic OFF
- 180° coverage of up to 900 sq. ft.
- Adjustable sensitivity from 20% to 100%
- Adjustable time delay from 15 seconds to 30 minutes
- Pet immunity (reduce false triggers)
- Detect ambient light to adjust light's brightness

### Types of Sensors

### PIR Wall Switch Occupancy Sensor

Photo	P/N	Rating	Description	Load Capacity	Option
0	S3DOWH	120-277VAC 60Hz	Pyroelectric Infrared Sensor 1/2 HP	Incandescent 600W LED / CFL 300 W	Single Pole

### PIR Wall Switch Vacancy Sensor

Photo	P/N	Rating	Description	Load Capacity	Option
0	S3DVWH	120-277VAC 60Hz	Pyroelectric Infrared Sensor 1/2 HP	Incandescent 600W LED / CFL 300 W	Single Pole

### Part Number Key

#### **PIR Wall Switch Sensors**

Device	Number of Poles	Style	Туре	Color
S = Switch	1 = 1 Pole 3 = Three Way	D = Decorative	O = Occupancy V = Vacancy	WH = White
	13 = Single pole, Three Way			





# BUILDING WIRE & STRCUTURED CABLE



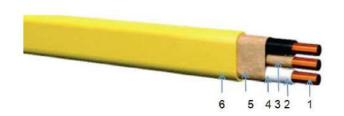


# NM-B

Non-Metallic Sheathed Building Wire



### **TYPE FLAT NM-B CABLE**





Color of jacket

Yellow

White

Orange

Black

Nominal section

(AWG)

12

14

10

8~2

0.76

8.4\*23.9

388

55

1. Conductor: Annealed copper, Annealed to ASTM B3.

2. Insulation: PVC, type THHN.

Color for 2 conductors: White, Black; Color for 3 conductors: White, Black, Red.

3. Wrapping: Kraft paper wrapping over the grounding conductor.

0.76

0.13

4. Core jacket: Nylon.

5. Assembly: Conductors laid parallel, Kraft paper wrapped.

6. Jacket: PVC, flame retardant, 90° C.

Standards: UL719, UL83, UL1581

Size	Number of strands in the conductor	Number of conductors	Insulation Thickness	Min. Thickness of nylon	Size of grounding core	Number of strands in the ground	Jacket thickness	Approx. OD L*H	Weight	Allowable Ampacity
	-#	7		TWO C	ONDUCTOR	23.			•	
AWG			mm	mm	AWG		mm	mm	lbs/1000FT	Α
14	1	2	0.38	0.1	14	1	0.76	4.5*9.1	66	15
12	1	2	0.38	0.1	12	1	0.76	4.9*10.4	93	20
10	1	2	0.51	0.1	10	1	0.76	5.7*12.5	137	30
8	7	2	0.76	0.13	10	1	0.76	7.4*15.9	201	40
6	7	2	0.76	0.13	10	1	0.76	8.4*17.5	272	55
	-		7	THREE	CONDUCTOR		500 at 100		*** ***	0
14	1	3	0.38	0.1	14	1	0.76	4.5*11.3	87	15
12	1	3	0.38	0.1	12	1	0.76	4.9*13.4	122	20
10	1	3	0.51	0.1	10	1	0.76	5.7*15.9	182	30
8	7	3	0.76	0.13	10	1	0.76	7.4*21.1	273	40

10



#### THHN WIRE

# 600 Volts Copper Conductor Thermoplastic Insulation Nylon Sheath THHN / THWN / THWN-2



#### **Applications**

- THHN or THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications as specified in the National Electrical Code. Voltage for all applications is 600 volts.
- When used as type THHN, conductor is suitable for use in dry locations at temperatures not to exceed 90° C.
- When used as type THWN, conductor is suitable for use at temperatures not to exceed 90° C, dry locations or 75° C, wet locations or not to exceed 75° C when exposed to oil or coolant.
- When used as type THWN-2, conductor is suitable for use in wet and dry locations at temperatures not to exceed 90° C or not to exceed 75° C when exposed to oil or coolant.
- Conductor temperatures not to exceed 105° C in dry locations when rated AWM and used as applicance wiring material.
- Voltage rating for all applications is 600 volts.

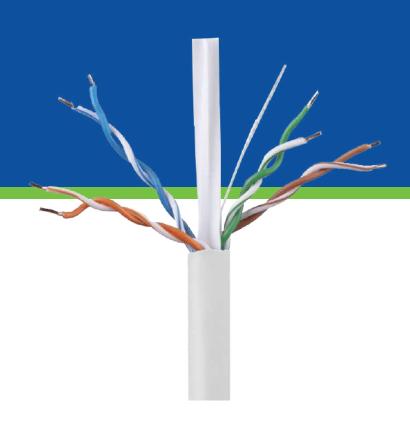
#### **Specifications**

- THHN or THWN-2 complies with:
- ASTM B3, B8 (7, 19, 37, 61 Strands), B 787 (19 Wire Combination Unilay Strand)

#### **Technical Compliances:**

- UL 83 Thermoplastic-insulated wires and cables
- CSA C22.2 No. 75-03
- UL 1063 (MTW) Machine-tool wires and cables (stranded cables only)
- UL 758 (AWM)





# LIC-CAT6 CCA

Cable





## LIC-CAT6 CCA

Cable

#### Features:

• CAT6 4 Pair UTP Cable

• Gauge: 23 AWG

• Conductor Material: CCA

Material: HDPE

• Grade: CMR, CMG

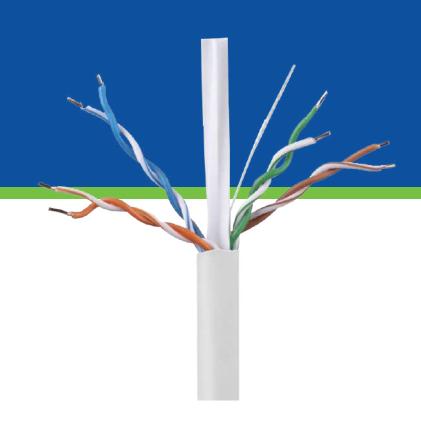
• Packaging: 1000 FT Pull Box

• Standards: ISO/IEC 11801, ANSI/TIA/EIA/-568-B, IEC 61156-

5, UL910, UL1666, UL444

Model:	LIC-CAT6 CCA
OD:	23AWG (0.56mm)
Material:	CCA, HDPE
Flamability Grade:	CMR
Jacket Material:	PVC





# LIC-CAT6 COPPER

Cable





### **LIC-CAT6 COPPER**

Cable

#### Features:

• CAT6 4 Pair UTP Cable

• Gauge: 23 AWG

• Conductor Material: Copper

Material: HDPE

• Grade: CMR, CMG

• Packaging: 1000 FT Pull Box

 Standards: ISO/IEC 11801, ANSI/TIA/EIA/-568-B, IEC 61156-5, UL910, UL1666, UL444

Model:	LIC-CAT6 Copper
OD:	23AWG (0.56mm)
Material:	Copper, HDPE
Flamability Grade:	CM, CMR, CMG
Jacket Material:	PVC





# LIGHTING





# **DISK LIGHT**

6" LED Disk Light





### **DISK LIGHT**

6" LED Disk Light

#### Features:

- Suitable for wet locations
- 15 Watt
- 90 CRI
- 1000 Lumens
- Dimmable
- Temperature: 2700K, 3000K, 4000K, 5000K, Color Selectable
- 50,000 Hour Life

Model:	Disk Light
Beam Angle:	120°
Application:	Ceiling Mount
Input:	120V AC
Wattage:	15W







