EXTERIOR LIGHT BARS & BEACON

**HE-MU47** AMBER LIGHT BAR 47.25 INCH 132 LED

- **Voltage:** 12-24V DC  • **LED Color:** White & Amber
- **Patterns:** 25 selectable patterns  • **IP Rating:** IP65
- **Construction:** Aluminum housing poly lens

- Wired controller with take down, alley, traffic advisor, marker switches and pattern indicator
- Amber primary lighting, white alley and take down lights

47.25”W x 11.8”H x 3.6”D

**HE-MU47-SLM** AMBER SLIM LIGHT BAR 47.25 INCH 88 LED

- **Voltage:** 12-24V DC  • **LED Color:** White & Amber
- **Patterns:** 25 selectable patterns  • **IP Rating:** IP65
- **Construction:** Aluminum housing poly lens

- Wired controller with take down, alley, traffic advisor, marker switches and pattern indicator
- Amber primary lighting, white alley and take down lights

47.25”W x 12”H x 14”D

**HE-MU5-BCON** AMBER LIGHT BEACON 3.5 INCH 48 LED

- **Voltage:** 12-24V DC  • **LED Color:** Amber  • **Patterns:** Strobe & rotator flash patterns
- **IP Rating:** IP65  • **Construction:** Amber poly housing

- Power outlet adapter with on/off and pattern control switch

3.5”W x 4.6”H

**HE-MU13-MINI** AMBER MINI LIGHT BAR 12.9 INCH 36 LED

- **Voltage:** 12-24V DC  • **LED Color:** Amber  • **Patterns:** 15 self-controlled with memory
- **IP Rating:** IP65  • **Construction:** Amber poly housing

- Power outlet adapter with on/off and pattern control switch

12.9”W x 7.6”H x 3.0”D

INTERIOR LIGHT BARS

**HE-MULB-WA** REAR WINDOW LIGHTBAR 38.2 INCH 32 LED NEW!

- **Voltage:** 12-24V DC  • **LED Color:** White & Amber  • **Patterns:** 16 alternative flash patterns / 3 selectable direction patterns
- **IP Rating:** IP65  • **Construction:** Aluminum housing poly lens

- Includes Brackets, hardware and 10ft cable
- 3-wire hardwire (Power, Ground, Pattern Select)

38.19”W x 1.75”H x 2.5”D

**HE-MUWL-WA** WINDSHIELD LIGHTBAR 9.84 INCH 8 LED NEW!

- **Voltage:** 12VDC  • **LED Color:** White & Amber  • **Patterns:** 16 alternative flash patterns
- **IP Rating:** IP65  • **Construction:** Amber poly housing

- Includes suction, bracket, hardware and 10ft cable
- 3-wire hardwire (Power, Ground, Pattern Select)

10.13”W x 2.06”H x 5”D
CUBE LED LIGHTS

**HE-HCL2SG**
- **Wattage:** 12W
- **Raw Lumens:** 960lm
- **LED Wavelength:** 513 – 534 nm
- **IP Rating:** IP68
- **Beam Pattern:** 8° spot
- **Current Consumption @ 13.8V:** 0.7A

**HE-CL2SA**
- **Wattage:** 12W
- **Raw Lumens:** 960lm
- **Lux @ 10M:** 18
- **Beam Pattern:** 90° flood
- **Current Consumption @ 13.8V:** 1.2A

**HE-CL3**
- **Wattage:** 18W
- **Raw Lumens:** 1400lm
- **Lux @ 10M:** 104
- **Beam Pattern:** 90° flood
- **Current Consumption @ 13.8V:** 1.2A

**HE-CL22PK**
- **Wattage:** 12W
- **Raw Lumens:** 960lm
- **Lux @ 10M:** 81
- **Beam Pattern:** 5° spot
- **Current Consumption @ 13.8V:** 0.9A

**HE-CL3SA**
- **Wattage:** 18W
- **Raw Lumens:** 1400lm
- **Lux @ 10M:** 104
- **Beam Pattern:** 5° spot
- **Current Consumption @ 13.8V:** 1.2A

**COMMON FEATURES**
- **INPUT VOLTAGE:** 10-30V DC
- **COLOR TEMPERATURE:** 6000K
- **HOUSING MATERIAL:** DIE-CAST ALUMINUM
- **COLOR:** BLACK
- **LENS MATERIAL:** PC
- **MOUNTING BRACKET:** STAINLESS STEEL
- **ELECTRONICS:** INTEGRATED-EPOXY ENCAPSULATED
- **HARDWARE:** STAINLESS 316
- **OPERATING TEMPERATURE:** -40˚F TO +140°F
- **PROTECTION:** REVERSE POLARITY

**Heise HE-DLWH1 dual light wiring harness included**
WORK LED LIGHTS

HE-WLCAM WORK LIGHT WITH CAMERA 8 LED NEW!

CAMERA: Lens Angle: 140° • Image Device: 1/3 CMOS • TV System: NTSC
Resolution: 700 TVL • Minimum Illumination: 0.1 lux (day), 0 lux (night)
Microphone: No • Connector: 4-pin DIN
LIGHT: Light Type: 60° flood • Lumen: 1154lm • Color Temperature: 6000K
Lens Material: PC • LED Lamp Plate Voltage: DC12-32V • IP Rating: IP69K
Current Drain: 65mA (Day)/2.335A (Night Vision) • Operating Temperature: -4°F to 150°F
• Mounting bracket and hardware included

HE-WL1 3.625x2 INCH 33 LED

Wattage: 60W • Raw Lumens: 726lm • Lux @ 10M: 0.1 • Beam Pattern: 120° flood
Current Consumption @ 13.8V: 0.3A • Lens Design: Unique waffle

HE-WL1M 3.625x2 INCH 33 LED

Wattage: 6.6W • Raw Lumens: 726lm • Lux @ 10M: 0.1 • Beam Pattern: 120° flood
Current Consumption @ 13.8V: 0.3A • Lens Design: Unique waffle
• Modular design allows multiple lights to be connected together to form one long light

HE-WL2 3.625x1.75 INCH 2 LED

Wattage: 10W • Raw Lumens: 800lm • Lux @ 10M: 28 • Beam Pattern: 90° flood
Current Consumption @ 13.8V: 0.4A

HE-WL3 4.75 INCH 9 LED

Wattage: 90W • Raw Lumens: 7200lm • Lux @ 10M: 35 • Beam Pattern: 90° flood
Current Consumption @ 13.8V: 4.6A

COMMON FEATURES

INPUT VOLTAGE: 10-30V DC
COLOR TEMPERATURE: 6000K
HOUSING MATERIAL: DIE-CAST ALUMINUM
COLOR: BLACK
LENS MATERIAL: PC
MOUNTING BRACKET: DIE-CAST ALUMINUM

HOLE DIMENSIONS: MOUNTING BOLT DRILL - 25"
ELECTRONICS: INTEGRATED-EPOXY ENCAPSULATED
HARDWARE: STAINLESS 316
IP RATING: IP67
PROTECTION: REVERSE POLARITY

HE-PL1 DUAL ROW WITH MAGNETIC BASE 6x6.5 INCH 6 LED

Input Voltage: 10-28V DC • Wattage: 60W • Raw Lumens: 726lm
Lux @ 10M: 28.5 • Color Temperature: 6000K • Beam Pattern: 60° flood

CONSTRUCTION

Housing Material: Die-cast aluminum • Housing Color: Black
Lens Material: PC • IP Rating: IP65 • Mounting Bracket: Die-cast aluminum
Hardware: Stainless 316 • Battery Certificate: UL, UN38.3

4.4"W x 4.4"H x 1.3"D
3.75"W x 3"H x .75"D
3.75"W x 3"H x .75"D
3.50"W x 2.50"H x 2.50"D
4.75"W x 6"H x 4.50"D
6.50"W x 3.90"H x 3.15"D
6.34"H with handle up

WORK LIGHT WITH CAMERA

HE-WLCAM

3.625x2 INCH 33 LED

Wattage: 60W • Raw Lumens: 726lm • Lux @ 10M: 0.1 • Beam Pattern: 120° flood
Current Consumption @ 13.8V: 0.3A • Lens Design: Unique waffle

3.75"W x 3"H x .75"D

HE-WL1M

3.625x2 INCH 33 LED

Wattage: 6.6W • Raw Lumens: 726lm • Lux @ 10M: 0.1 • Beam Pattern: 120° flood
Current Consumption @ 13.8V: 0.3A • Lens Design: Unique waffle

3.75"W x 3"H x .75"D

HE-WL2

3.625x1.75 INCH 2 LED

Wattage: 10W • Raw Lumens: 800lm • Lux @ 10M: 28 • Beam Pattern: 90° flood
Current Consumption @ 13.8V: 0.4A

3.50"W x 2.50"H x 2.50"D

HE-WL3

4.75 INCH 9 LED

Wattage: 90W • Raw Lumens: 7200lm • Lux @ 10M: 35 • Beam Pattern: 90° flood
Current Consumption @ 13.8V: 4.6A

4.75"W x 6"H x 4.50"D

HE-PL1

DUAL ROW WITH MAGNETIC BASE 6x6.5 INCH 6 LED

Input Voltage: 10-28V DC • Wattage: 60W • Raw Lumens: 726lm
Lux @ 10M: 28.5 • Color Temperature: 6000K • Beam Pattern: 60° flood

6.50"W x 3.90"H x 3.15"D
6.34"H with handle up

NEW!
**LICENSE PLATE MOUNTS**

**FOR US MARKET**

**HE-FLPUS**
- Designed for front license plate
- Mounts a cube, work or driving light

**FOR EUROPEAN MARKET**

**HE-FLPEU**
- Designed for front license plate bracket
- Mounts a cube, work or driving light

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**STROBE KITS**

**HE-MUSTR-W LED STROBE KIT**
- **4 PIECE**
- **8 LED**
- Voltage: 12-24V DC
- LED Color: White
- Patterns: 15 self-controlled with memory
- IP Rating: IP65
- Wired controller with on/off and pattern control switch

**HE-MUSTR-GRW WHITE GRILLE STROBE KIT**
- **4 PIECE**
- **8 LED**
- Voltage: 12V DC
- LED Color: White
- Patterns: 15 self-controlled with memory
- IP Rating: IP65
- Wired controller with on/off and pattern control switch

**HE-MUSTR-GRA AMBER GRILLE STROBE KIT**
- **4 PIECE**
- **8 LED**
- Voltage: 12V DC
- LED Color: Amber
- Patterns: 15 self-controlled with memory
- IP Rating: IP65
- Wired controller with on/off and pattern control switches
RGB ACCENT LIGHT KITS

HE-8TLRGBK  BLACK HOUSING
8 RGB PODS  3 LED
HE-8MLRGBK  WHITE HOUSING

ACCENT LIGHTS KIT
LEDs: 8 Pods - (3) 3W CREE LEDs per pod
Wattage: 9W total per pod  •  Raw Lumens: 720lm

The HE-8TLRGBK is a complete kit to light up your vehicle. (8) HE-TLIRGB RGB accent lights and the HE-CBRGB control box will give you accent lighting where you want it.

HE-4TLRGBK  BLACK HOUSING
4 RGB PODS  3 LED
HE-4MLRGBK  WHITE HOUSING

ACCENT LIGHTS KIT
LEDs: 4 Pods - (3) 3W CREE LEDs per pod
Wattage: 9W total per pod  •  Raw Lumens: 720lm

Designed as a starter kit this allows you get the RGB lights in your vehicle without breaking the bank, but also allows you add up to four more HE-TL1RGB lights.

INCLUDED

CONTROL BOX
Included with all Accent Light Kits

HEISE RGB APP
App for Android and iOS:
This app allows endless color choices and even allows you to store your custom made colors. Preset flash patterns, light flashing to your music in your library, even have the lights turn on and off at selected times.

Download the Heise RGB app for Android and iOS today!
RGB ACCENT LIGHTS

RGB ACCENT PODS

- **Input Voltage:** 10-30V DC
- **LEDs:** (3) 3W CREE LEDs
- **Wattage:** 9W
- **Raw Lumens:** 720lm

**RGB ACCENT LIGHT EXTRAS**

- **HE-PTRRGB**
  - **RGB ACCENT PODS**
  - **PIGTAIL ADAPTER**
  - This cable is designed to wire the RGB accent pods into any 4-wire positive anode RGB controller like the Heise HE-RGBC-1, HE-RGBSAC-1, HE-WFRGBC-1 and HE-RFRGBC-1

- **HE-EXTRGB**
  - **EXTENSION CABLE**
  - The extension cables were designed to add an additional 10’ of length to the accent pods which are already equipped with a 10’ cable

- **HE-CBRGB**
  - **CONTROL BOX**
  - Water-resistant control box for HE-TL1RGB and HE-ML1RGB. Control box can be mounted in the engine compartment

**COMMON FEATURES**

- **INPUT VOLTAGE:** 10-30V DC
- **BEAM PATTERN:** 120° FLOOD
- **HOUSING MATERIAL:** DIE-CAST ALUMINUM
- **LENS MATERIAL:** PC
- **MOUNTING:** GASKET INCLUDED
- **HARDWARE:** STAINLESS 316
- **OPERATING TEMPERATURE:** -40°F TO +140°F
- **IP RATING:** IP68

**ADDITIONAL ACCESSORIES**

- **ACCENT LIGHTING COVER**
  - **HE-TL1DIV**
  - The light cover is for use with the HE-4TLRGBK, HE-8TLRGBK, HE-TL1RGB

- **MOUNTING BASE**
  - **HE-ARB1**
  - The angled base is for use with the HE-TL1, HE-TL1A, HE-TL1B, HE-TL1G, HE-TL1R

Heise LED.com 386-257-2956
HIDDEN STROBE LED MARKER LIGHTS

**HE-MUHSR-W**  **WHITE STROBE**  **1 INCH**  **9 LED**  **NEW!**

**HE-MUHSR-A**  **AMBER STROBE**  **NEW!**

**HE-MUHSR-B**  **BLUE STROBE**  **NEW!**

**HE-MUHSR-R**  **RED STROBE**  **NEW!**

Voltage: 12-14V DC  •  LED Count: (9) 3-watt  •  Wattage: 27W  •  Input Voltage: 12-24 DC
Patterns: 10 alternative flash patterns  •  Current Consumption @ 13.8V: 1.95A
IP Rating: IP65  •  Construction: Aluminum housing poly lens

- Includes 9’ cable
- 4-wire hardwire (power, ground, synchronization/pattern select, wig-wag)

SINGLE COLOR MARKER LIGHTS

**HE-MUMRK-4W**  **WHITE MARKER**  **3.8 INCH**  **4 LED**

**HE-MUMRK-4A**  **AMBER MARKER**

**HE-MUMRK-4B**  **BLUE MARKER**  **NEW!**

**HE-MUMRK-4R**  **RED MARKER**  **NEW!**

Voltage: 12-24V DC  •  LED Count: (4) 3-watt
Patterns: 19 self-controlled with memory
IP Rating: IP67  •  Construction: Aluminum housing poly lens

- Sync multiple units of the same model
- “Updated” and “Improved IP rating”

**HE-MUMRK-6W**  **WHITE MARKER**  **4.9 INCH**  **6 LED**

**HE-MUMRK-6A**  **AMBER MARKER**

**HE-MUMRK-6B**  **BLUE MARKER**  **NEW!**

**HE-MUMRK-6R**  **RED MARKER**  **NEW!**

Voltage: 12-24V DC  •  LED Count: (6) 3-watt
Patterns: 19 self-controlled with memory
IP Rating: IP67  •  Construction: Aluminum housing poly lens

- Sync multiple units of the same model
- “Updated” and “Improved IP rating”
### Single Color Marker Lights

#### HE-MULTE-4W
**White Lite Marker**

- **3.4 INCH**
- **4 LED**

**HE-MULTE-4A**
**Amber Lite Marker**

**Voltage**: 12-24V DC  
**LED Count**: (4) 1-watt  
**Patterns**: 19 self-controlled with memory  
**IP Rating**: IP67  
**Construction**: Aluminum housing poly lens  
- Sync multiple units of the same model  
- “Updated” and “Improved IP rating”

#### HE-MULTE-6W
**White Lite Marker**

- **4.4 INCH**
- **6 LED**

**HE-MULTE-6A**
**Amber Lite Marker**

**HE-MULTE-6B**
**Blue Lite Marker**  
**NEW!**

**HE-MULTE-6R**
**Red Lite Marker**  
**NEW!**

**Voltage**: 12-24V DC  
**LED Count**: (6) 1-watt  
**Patterns**: 19 self-controlled with memory  
**IP Rating**: IP67  
**Construction**: Aluminum housing poly lens  
- Sync multiple units of the same model  
- “Updated” and “Improved IP rating”

#### HE-MULH-4W
**White Light Head**

- **4.6 INCH**
- **4 LED**

**HE-MULH-4A**
**Amber Light Head**

**HE-MULH-4B**
**Blue Light Head**  
**NEW!**

**HE-MULH-4R**
**Red Light Head**  
**NEW!**

**Voltage**: 12-24V DC  
**LED Count**: (4) 1-watt  
**Patterns**: 19 self-controlled with memory  
**IP Rating**: IP67  
**Construction**: Aluminum housing poly lens  
- Sync multiple units of the same model  
- “Updated” and “Improved IP rating”

#### HE-MUGRL-6W
**White Grill Marker**

- **4.1 INCH**
- **6 LED**

**HE-MUGRL-6A**
**Amber Grill Marker**

**HE-MUGRL-6B**
**Blue Grill Marker**  
**NEW!**

**HE-MUGRL-6R**
**Red Grill Marker**  
**NEW!**

**Voltage**: 12-24V DC  
**LED Count**: (6) 1-watt  
**Patterns**: 16 self-controlled with memory  
**IP Rating**: IP65  
**Construction**: Aluminum housing poly lens  
- Sync multiple units of the same model
BI-COLOR MARKER LIGHTS

HE-MUMRK-6WA  1/2 WHITE  1/2 AMBER  4.9 INCH  6 LED

HE-MUMRK-6BA  1/2 BLUE  1/2 AMBER  NEW!

HE-MUMRK-6BR  1/2 BLUE  1/2 RED  NEW!

Voltage: 12-24V DC
LED Count: (6) 1-watt
Patterns: 19 self-controlled with memory
IP Rating: IP67
Construction: Aluminum housing poly lens

• Sync multiple units of the same model
• “Updated” and “Improved IP rating”

4.9”W x 1.1”H x 0.64”D

HE-MULTE-6WA  1/2 WHITE  1/2 AMBER  4.4 INCH  6 LED

HE-MULTE-6BA  1/2 BLUE  1/2 AMBER  NEW!

HE-MULTE-6BR  1/2 BLUE  1/2 RED  NEW!

Voltage: 12-24V DC
LED Count: (6) 1-watt
Patterns: 19 self-controlled with memory
IP Rating: IP67
Construction: Aluminum housing poly lens

• Sync multiple units of the same model
• “Updated” and “Improved IP rating”

4.4”W x 1.1”H x 0.4”D

HE-MUGRL-6WA  1/2 WHITE  1/2 AMBER  4.1 INCH  6 LED

HE-MUGRL-6BA  1/2 BLUE  1/2 AMBER  NEW!

HE-MUGRL-6BR  1/2 BLUE  1/2 RED  NEW!

Voltage: 12-24V DC
LED Count: (6) 1-watt
Patterns: 16 self-controlled with memory
IP Rating: IP65
Construction: Aluminum housing poly lens

• Sync multiple units of the same model
• “Updated” and “Improved IP rating”

4.1”W x 2.2”H x 0.9”D
<table>
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<th>Patterns</th>
<th>Synchronization</th>
<th>Wig-Wag</th>
<th>Compatible Models for Sync/Wig-Wag Function</th>
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</table>

√ = Light is capable of listed function
(x) = Designates color (single or bi color)
SWITCHES

HE-SWP8 8 GANG SWITCH PANEL

- Input voltage: 12V-24V
- Power handling: 600-1200W
- Maximum current: 60A
- Panel material: Die-cast aluminum
- Switched or momentary operation
- Control box material: Die-cast aluminum
- Control box cover: ABS plastic
- Operating temperature: -40°F to 302°F
- Panel size: 4.53”x 0.59”x 2.60”
- Circuit box size: 7.48”x 1.34”x 4.13”
- 50 custom label decals

NEW!

IBSP4 4 BUTTON SWITCH PANEL

- (4) built-in 15 amp circuit breakers
- Rubber panel and water-resistant rubber seals
- Overload protection design
- Splash water anti-corrosion

IBSP6 4 BUTTON SWITCH PANEL

- (6) built-in 15 amp circuit breakers
- Rubber panel and water-resistant rubber seals
- Overload protection design
- Splash water anti-corrosion

HE-RRS 5 PACK ILLUMINATED RED ROUND ROCKER SWITCH

- Red
- 20 amp
- Rubber cover helps protect switch from dust and water intrusion

HE-BRS 5 PACK ILLUMINATED BLUE ROUND ROCKER SWITCH

- Blue
- 20 amp
- Rubber cover helps protect switch from dust and water intrusion
VEHICLE LED HEADLIGHTS

**HE-5X7B1 5x7 INCH 17 LED**
BLACK FRONT FACE

**Wattage:** (17) 5-watt LEDs for a total of 85W
2400lm low beam, draws 4.3A @ 13.8v
3500lm high beam, draws 6.2A @ 13.8v

**HE-5X7S1 5x7 INCH 17 LED**
SILVER FRONT FACE

**Wattage:** (17) 5-watt LEDs for a total of 85W
2400lm low beam, draws 4.3A @ 13.8v
3500lm high beam, draws 6.2A @ 13.8v

**HE-4X6B1 4x6 INCH 18 LED**
BLACK FRONT FACE

**Wattage:** (18) 3-watt LEDs for a total of 60W
2400lm low beam, draws 2.9A @ 13.8v
3500lm high beam, draws 4.3A @ 13.8v

**HE-4X6S1 4x6 INCH 18 LED**
SILVER FRONT FACE

**Wattage:** (18) 3-watt LEDs for a total of 60W
2400lm low beam, draws 2.9A @ 13.8v
3500lm high beam, draws 4.3A @ 13.8v

**COMMON FEATURES**

- **HOUSING:** DIE-CAST ALUMINUM
- **LED COLOR:** 6500K
- **LENS:** POLYCARBONATE
- **IP RATING:** IP67

386-257-2956 • HeiseLED.com
### LED HEADLIGHT KITS

**LED 25 WATTS PER BULB**

- 2nd generation LED chipset
- 6500K color temperature with 3000K & 8000K films
- 6000lm
- 25W per bulb (single beam kits) and 25W (dual beam kits) per bulb
- IP67 rated
- Operating temperature: -40°F to 176°F

**SINGLE BEAM KITS**

|----------|----------|----------|----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|

**DUAL BEAM KITS**

<table>
<thead>
<tr>
<th>HE-H4LED</th>
<th>HE-H13LED</th>
<th>HE-9004LED</th>
<th>HE-9007LED</th>
</tr>
</thead>
</table>

### LED CANBUS DECODERS

**PACKAGED PAIR**

**Use With:** Vehicles that have CANBUS systems that monitor the headlights

**Stops:** The headlights from flashing

**Simple:** Plug-n-play connections

**SINGLE BEAM KITS**

|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|

**DUAL BEAM KITS**

<table>
<thead>
<tr>
<th>HE-H4D</th>
<th>HE-H13D</th>
<th>HE-9004D</th>
<th>HE-9007D</th>
</tr>
</thead>
</table>
BRAKE LIGHT FLASHERS

**IBLEDBLF LED**  BRAKE LIGHT STROBE CONTROLLER
- For use with LED third brake lights
- Flashes third brake light for greater visibility

**IBBLF NON-LED**  BRAKE LIGHT FLASHER
- For use with non-LED third brake lights
- Flashes third brake light for greater visibility

**PRIMARY WIRE**

**COPPER JACKETED PRIMARY WIRE**  **EA/100FT**

- **JPW6100**  6 x 14GA
- **JPW7100**  4 x 14GA, 3 x 12GA

**ALL COPPER JACKETED PRIMARY WIRE**  **EA/100FT**

Wire recommended for auto, truck, construction and light marine. Heavy-duty PVC outer jacket is abrasion resistant and protects against moisture, oil, acid and salt.

- **JPWBW8100**  8GA Black/White
- **JPWBW10100**  10GA Black/White
- **JPWBW12100**  12GA Black/White
- **JPWBW14100**  14GA Black/White
- **JPWBW16100**  16GA Black/White

- **JPWBGRW10100**  10GA Black/Green/Red/White
- **JPWBGRW12100**  12GA Black/Green/Red/White
- **JPWBGRW14100**  14GA Black/Green/Red/White
- **JPWBGRW16100**  16GA Black/Green/Red/White

**ALL COPPER US GPT PRIMARY WIRE**  **EA/500FT**

- **US18500R**  18GA US GPT Red
- **US18500BK**  18GA US GPT Black
- **US18500BL**  18GA US GPT Blue
- **US18500WT**  18GA US GPT White
- **US18500YL**  18GA US GPT Yellow
## INSTALLATION HARDWARE

### MOUNTING HOLE CABLE TIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Weight</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMCT6</td>
<td>6&quot;</td>
<td>40 lb</td>
<td>Black</td>
</tr>
<tr>
<td>BMCT7</td>
<td>7&quot;</td>
<td>50 lb</td>
<td>Black</td>
</tr>
<tr>
<td>BMCT11</td>
<td>11&quot;</td>
<td>50 lb</td>
<td>Black</td>
</tr>
</tbody>
</table>

### BLACK CABLE TIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Length</th>
<th>Weight</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCT4-1</td>
<td>4&quot;</td>
<td>18 lb</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>BCT6-1</td>
<td>6&quot;</td>
<td>30 lb</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>BCT8-1</td>
<td>8&quot;</td>
<td>40 lb</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

### STAINLESS ASSORTED

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Diameter</th>
<th>Length</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW188</td>
<td>#10 18-8 S.S Flat Washer</td>
<td>.188&quot;</td>
<td>10/Bag</td>
<td></td>
</tr>
<tr>
<td>FW316SC</td>
<td>#10 316 S.S Flat Washer</td>
<td>.316&quot;</td>
<td>10/Bag</td>
<td></td>
</tr>
<tr>
<td>NTSC1024</td>
<td>#10-24 18-8 S.S. HX Nylon Insert</td>
<td>.188&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>POHSC10134</td>
<td>#10 x 1-3/4 18-8 S.S. Phil Oval</td>
<td>.188&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>POHSC102</td>
<td>#10 x 2 18-8 S.S. Phil Oval</td>
<td>.188&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>POHSC834</td>
<td>#8 x 3/4 18-8 S.S. Phil Oval</td>
<td>.885&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>PPHS102414</td>
<td>#10-24 1-1/4&quot; Phil Pan</td>
<td>.188&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>PPHSC141</td>
<td>#14 x 1 18-8 S.S. Phil Pan</td>
<td>.140&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>PPHSS101</td>
<td>#10 x 1 18-8 S.S. Phil Pan</td>
<td>.188&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
<tr>
<td>PPHSS81</td>
<td>#8 x 1 18-8 S.S. Phil Pan</td>
<td>.885&quot;</td>
<td>100/Bag</td>
<td></td>
</tr>
</tbody>
</table>

### SPLIT LOOM TUBING BLACK

- Polyethylene 200° loom
- Bagged or dispenser boxed with Metra label

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Length</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLT145</td>
<td>1/4&quot;</td>
<td>500 FT/Box</td>
<td>BLACK</td>
</tr>
<tr>
<td>SLT385</td>
<td>3/8&quot;</td>
<td>500 FT/Box</td>
<td>BLACK</td>
</tr>
<tr>
<td>SLT122</td>
<td>1/2&quot;</td>
<td>200 FT/Box</td>
<td>BLACK</td>
</tr>
<tr>
<td>SLT1</td>
<td>1&quot;</td>
<td>100 FT/Box</td>
<td>BLACK</td>
</tr>
<tr>
<td>SLT-08</td>
<td>Wire Loom Install Tool 1/4&quot; - 7/16&quot;</td>
<td>Each</td>
<td>NEW!</td>
</tr>
<tr>
<td>SLT-15</td>
<td>Wire Loom Install Tool 1/2&quot; - 5/8&quot;</td>
<td>Each</td>
<td>NEW!</td>
</tr>
</tbody>
</table>

### CABLE CLAMPS BLACK

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCC18</td>
<td>1/8&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC316</td>
<td>3/16&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC14</td>
<td>1/4&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC516</td>
<td>5/16&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC38</td>
<td>3/8&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC12</td>
<td>1/2&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC34</td>
<td>3/4&quot;</td>
<td>100/Bag</td>
</tr>
<tr>
<td>BCC1</td>
<td>1&quot;</td>
<td>100/Bag</td>
</tr>
</tbody>
</table>
## Heat Shrink Ring Terminals

<table>
<thead>
<tr>
<th>Part</th>
<th>GA</th>
<th>Color</th>
<th>Bag Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSRRT8</td>
<td>22/18GA</td>
<td>#8 Red</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSRRT10</td>
<td>22/18GA</td>
<td>#10 Red</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSRRT14</td>
<td>22/18GA</td>
<td>1/4&quot; Red</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSRRT516</td>
<td>22/18GA</td>
<td>5/16&quot; Red</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSRRT38</td>
<td>22/18GA</td>
<td>3/8&quot; Red</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT8</td>
<td>16/14GA</td>
<td>#8 Blue</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT10</td>
<td>16/14GA</td>
<td>#10 Blue</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT14</td>
<td>16/14GA</td>
<td>1/4&quot; Blue</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT516</td>
<td>16/14GA</td>
<td>5/16&quot; Blue</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT38</td>
<td>16/14GA</td>
<td>3/8&quot; Blue</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBRT12</td>
<td>12/10GA</td>
<td>1/2&quot; Yellow</td>
<td>50/Bag</td>
</tr>
</tbody>
</table>

## Heat Shrink Female

<table>
<thead>
<tr>
<th>Part</th>
<th>GA</th>
<th>Color</th>
<th>Bag Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSRFFI</td>
<td>22/18GA</td>
<td>Red Q/D .250-FI</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBBFI</td>
<td>16/14GA</td>
<td>Blue Q/D .250-FI</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSYFFI</td>
<td>12/10GA</td>
<td>Yellow Q/D .250-FI</td>
<td>50/Bag</td>
</tr>
<tr>
<td>HSRFD</td>
<td>22/18GA</td>
<td>Red Q/D .250</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSFBFD</td>
<td>16/14GA</td>
<td>Blue Q/D .250</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSFYD</td>
<td>12/10GA</td>
<td>Yellow Q/D .250</td>
<td>50/Bag</td>
</tr>
</tbody>
</table>

## Heat Shrink Male

<table>
<thead>
<tr>
<th>Part</th>
<th>GA</th>
<th>Color</th>
<th>Bag Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSRMFI</td>
<td>22/18GA</td>
<td>Red Q/D .250-FI</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBMFI</td>
<td>16/14GA</td>
<td>Blue Q/D .250-FI</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSYMFI</td>
<td>12/10GA</td>
<td>Yellow Q/D .250-FI</td>
<td>50/Bag</td>
</tr>
<tr>
<td>HSRMD</td>
<td>22/18GA</td>
<td>Red Q/D .250</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSMBD</td>
<td>16/14GA</td>
<td>Blue Q/D .250</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSMYD</td>
<td>12/10GA</td>
<td>Yellow Q/D .250</td>
<td>50/Bag</td>
</tr>
</tbody>
</table>

## Heat Shrink Male & Female

<table>
<thead>
<tr>
<th>Part</th>
<th>GA</th>
<th>Size</th>
<th>Bag Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSRMB</td>
<td>22/18GA</td>
<td>.157</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBMB</td>
<td>16/14GA</td>
<td>.157</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSRFB</td>
<td>22/18GA</td>
<td>Red Female</td>
<td>100/Bag</td>
</tr>
<tr>
<td>HSBFB</td>
<td>16/14GA</td>
<td>.157</td>
<td>100/Bag</td>
</tr>
</tbody>
</table>

## 3M Heat Shrink Tubing Kit

- Polyolefin 50% shrink
- 6" long, 102 total pieces: 3/16", 1/4", 3/8", 1/2", 3/4", 1"

## 3M Heat Shrink Terminal Kit

- Assorted heat shrink butts, push-ons, rings and spades

---

**HEAT SHRINK**

**FI=Fully Insulated**

**NEW!**

**3MHSKIT**

- 3M HS Kit Heat Shrink Tubing Kit

**IBK-HS120**

- Heat Shrink Terminal Kit
## INSTALLATION HARDWARE

### RUBBER GROMMETS

<table>
<thead>
<tr>
<th>Size</th>
<th>Inside Dia.</th>
<th>Outside Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG18</td>
<td>1/8”</td>
<td>5/16”</td>
</tr>
<tr>
<td>RG316</td>
<td>3/16”</td>
<td>9/16”</td>
</tr>
<tr>
<td>RG14</td>
<td>1/4”</td>
<td>7/16”</td>
</tr>
<tr>
<td>RG516</td>
<td>5/16”</td>
<td>9/16”</td>
</tr>
<tr>
<td>RG38</td>
<td>3/8”</td>
<td>5/8”</td>
</tr>
<tr>
<td>RG12</td>
<td>1/2”</td>
<td>3/4”</td>
</tr>
</tbody>
</table>

### LONG BARREL GROMMETS

<table>
<thead>
<tr>
<th>Size</th>
<th>Inside Dia.</th>
<th>Outside Dia.</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSB8</td>
<td>8GA</td>
<td>.26”</td>
<td>.54”</td>
</tr>
<tr>
<td>LSB4</td>
<td>4GA</td>
<td>.40”</td>
<td>.65”</td>
</tr>
<tr>
<td>LSB1</td>
<td>1/0GA</td>
<td>.63”</td>
<td>.85”</td>
</tr>
</tbody>
</table>

### WIRE CLIPS

<table>
<thead>
<tr>
<th>Size</th>
<th>Wire Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBCLIP8</td>
<td>8AWG</td>
</tr>
<tr>
<td>IBCLIP10</td>
<td>10AWG</td>
</tr>
</tbody>
</table>

### ELECTRICAL TAPE

- **3M SUPER33-10**
  - 3/4” x 52’ premium grade, vinyl electrical

### INSTALLATION HARDWARE

- **RUBBER GROMMETS**
  - Inside Dia. 1/8” Outside Dia. 5/16”
  - Inside Dia. 3/16” Outside Dia. 9/16”
  - Inside Dia. 1/4” Outside Dia. 7/16”
  - Inside Dia. 5/16” Outside Dia. 9/16”
  - Inside Dia. 3/8” Outside Dia. 5/8”
  - Inside Dia. 1/2” Outside Dia. 3/4”

- **LONG BARREL GROMMETS**
  - 8GA Inside Dia. .26” Outside Dia. .64” H .54”
  - 4GA Inside Dia. .40” Outside Dia. .85” H .65”
  - 1/0GA Inside Dia. .63” Outside Dia. 1.0” H .85”

- **WIRE CLIPS**
  - 4/BAG
  - IBCLIP8 8AWG
  - IBCLIP10 10AWG

- **ELECTRICAL TAPE**
  - 10/PACK
  - 3/4” x 52’ premium grade, vinyl electrical

- **EXTERIOR HARNESSING TAPE**
  - 4/BAG
  - 3/8” x 82.5’ 16/SLV
  - For wrapping exterior harnesses. This tape is a PET cloth wire harness tape with an acrylic based adhesive.
  - High temperature resistance 302°F/3000h
  - High abrasion resistance

- **CHECK OUT OUR EXCLUSIVE DEALER WEBSITE!**
  - MetraDealer.com
  - Register online today!
**TERMS & CONDITIONS**

**TERMS:**
Net 30 days from date of invoice on approved accounts. Minimum order: $50 per invoice, orders less than required minimum incur a $20 service charge.

**FREIGHT:**
Freight on board (F.O.B.) from point of shipment. Freight will be charged on all drop-shipment orders.

**CREDIT:**
In order to establish a credit line with Metra, an application for credit must be submitted listing a minimum of five (5) trade references and a bank with their addresses and phone numbers and must be signed by a principal or authorized officer of the company. A credit line will be established by our credit manager and must be maintained in a current status according to our terms (net 30 days). Credit not established or revoked requires remittance with order. Returned checks are subject to a fee of $32.00.

**RESALE TAX EXEMPTION CERTIFICATE:**
CA, TX, KY, NJ & FL customers must provide a valid resale card before an order can be placed.

**CLAIMS:**
Title and risk of loss passes to buyer at F.O.B. shipping point and all claims must be filed with carrier. Any discrepancies must be reported to Metra within ten (10) days of receipt of shipment.

**RETURNS:**
All sales are final. No returns or exchanges will be allowed without prior written authorization from Metra. All returns are subject to a 20% handling charge, must be in a saleable condition, and must have been purchased within sixty (60) days of return request. No stock balancing permitted. Copies of invoices must be mailed in advance for any return authorization (R.A.).

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Metra warrants all of its products, within this catalog, to be free from defects in material and workmanship for a period of 1-3 years from date of purchase. Please visit www.MetraOnline.com for individual product warranty information. Metra will, at its option, repair, replace or allow credit on any part which, in Metra’s opinion, is found defective under normal use. Warranty void on items misused, altered in any way, tampered with or serviced by anyone other than Metra. This warranty of merchantability of fitness neither assumes or authorizes any other person to assume for it, any other liability in connection with its products. In no event shall we be liable for any incidental or *consequential damages, or do we assume any other liability except provided herein.

**BACK ORDERS:**
If an item is temporarily unavailable for immediate shipment, we will back-order the item and ship as soon as possible from the nearest available warehouse, unless otherwise instructed.

Metra reserves the right to make changes in or deletions of products or prices without prior notice.

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