



## Features and Benefits

### Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.



HBL2311



HBL2313



#### Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



#### Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



#### Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



#### Assembly

- Self-threading screws specially designed for secure assembly



#### Identification

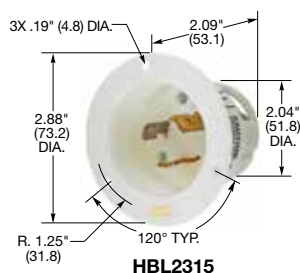
- Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device



#### Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

**20 Amp, 125, 250 Volts and 277 Volts AC  
2 Pole, 3 Wire, Grounding**



Dimensions in Inches (mm)

## Plugs

### Watertight Safety-Shroud®

| Description                                | Cord Dia.          | Catalog Number   | IP66 SUITABILITY | UL Type 4x, 12   |
|--------------------------------------------|--------------------|------------------|------------------|------------------|
| Black Valox® housing, white Valox® clamps. | .360"-.930" (9-24) | <b>HBL2311SW</b> | <b>HBL2321SW</b> | <b>HBL2331SW</b> |

### Safety-Shroud®

| Description                                                                                       | Cord Dia.          | Catalog Number  | IP20 SUITABILITY                |
|---------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------------------|
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .360"-.930" (9-24) | <b>HBL2311S</b> | <b>HBL2321S</b> <b>HBL2331S</b> |

### Insulgrip®

| Description                                          | Cord Dia.          | Catalog Number    | IP20 SUITABILITY              |
|------------------------------------------------------|--------------------|-------------------|-------------------------------|
| Black and white nylon.                               | .360"-.930" (9-24) | <b>HBL2311</b>    | <b>HBL2321</b> <b>HBL2331</b> |
| Corrosion resistant, yellow nylon.                   | .360"-.930" (9-24) | <b>HBL23CM11</b>  | <b>HBL23CM21</b> -            |
| All black nylon.                                     | .360"-.930" (9-24) | <b>HBL2311BK</b>  | <b>HBL2321BK</b> -            |
| Cord clamps with removable inserts. All black nylon. | .360"-.930" (9-24) | <b>HBL2311EBK</b> | <b>HBL2321EBK</b> -           |

Note: See page B-52 for accessories.

### Valise®

| Description                        | Cord Dia.               | Catalog Number    | IP20 SUITABILITY                    |
|------------------------------------|-------------------------|-------------------|-------------------------------------|
| Yellow nylon.                      | .325"-.720" (8.26-18.3) | <b>HBL2311VY</b>  | <b>HBL2321VY</b> <b>HBL2331VY</b>   |
| Corrosion resistant, yellow nylon. | .325"-.720" (8.26-18.3) | <b>HBL23CM11V</b> | - -                                 |
| Black nylon.                       | .325"-.720" (8.26-18.3) | <b>HBL2311VBK</b> | <b>HBL2321VBK</b> <b>HBL2331VBK</b> |

Note: See page B-53 for accessories.

## Flanged Inlets

### Watertight Safety-Shroud®

| Description                                                  | Catalog Number   | IP66 SUITABILITY  | UL Type 4x, 12   |
|--------------------------------------------------------------|------------------|-------------------|------------------|
| Gray Valox® housing and flange.                              | <b>HBL2315SW</b> | <b>HBL2325SW</b>  | <b>HBL2335SW</b> |
| Gray Valox® housing and flange, reverse service (Not shown). | -                | <b>HBL2325SWR</b> | -                |

Note: See page B-54 for accessories.

### Insulgrip®

| Description               | Catalog Number | IP20 SUITABILITY              |
|---------------------------|----------------|-------------------------------|
| Nylon casing, back wired. | <b>HBL2315</b> | <b>HBL2325</b> <b>HBL2335</b> |

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

See page B-74 for technical information on Valise® plugs and connectors.

**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



## ADD-A-SHROUD® and Adapters

### Safety-Shroud® Twist-Lock® – 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

### Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.

| Rating                       | Voltage AC | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|------------------------------|------------|-------------------------------|---------------------|-----------------------------|
| 20A, 2 Pole 3 Wire Grounding | 125V       | L5-20                         | <b>HBL2311</b>      | <b>HBLSS3</b>               |
|                              | 250V       | L6-20                         | <b>HBL2321</b>      | <b>HBLSS3</b>               |
|                              | 277V AC    | L7-20                         | <b>HBL2331</b>      | <b>HBLSS3</b>               |
|                              | 480V AC    | L8-20                         | <b>HBL2341</b>      | <b>HBLSS3</b>               |
|                              | 600V AC    | L9-20                         | <b>HBL2351</b>      | <b>HBLSS3</b>               |
| 30A, 2 Pole 3 Wire Grounding | 125V       | L5-30                         | <b>HBL2611</b>      | <b>HBLSS3</b>               |
|                              | 250V       | L6-30                         | <b>HBL2621</b>      | <b>HBLSS3</b>               |
|                              | 277V AC    | L7-30                         | <b>HBL2631</b>      | <b>HBLSS3</b>               |
|                              | 480V AC    | L8-30                         | <b>HBL2641</b>      | <b>HBLSS3</b>               |
|                              | 600V AC    | L9-30                         | <b>HBL2651</b>      | <b>HBLSS3</b>               |

### Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

| Rating                       | Voltage AC      | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|------------------------------|-----------------|-------------------------------|---------------------|-----------------------------|
| 20A, 3 Pole 4 Wire Grounding | 125/250V AC     | L14-20                        | <b>HBL2411</b>      | <b>HBLSS45</b>              |
|                              | 3Ø250V AC       | L15-20                        | <b>HBL2421</b>      | <b>HBLSS45</b>              |
|                              | 3Ø480V AC       | L16-20                        | <b>HBL2431</b>      | <b>HBLSS45</b>              |
| 30A, 3 Pole 4 Wire Grounding | 125/250V AC     | L14-30                        | <b>HBL2711</b>      | <b>HBLSS45</b>              |
|                              | 3Ø250V AC       | L15-30                        | <b>HBL2721</b>      | <b>HBLSS45</b>              |
|                              | 3Ø480V AC       | L16-30                        | <b>HBL2731</b>      | <b>HBLSS45</b>              |
|                              | 3Ø600V AC       | L17-30                        | <b>HBL2741</b>      | <b>HBLSS45</b>              |
| 20A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-20                        | <b>HBL2511</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 277/480V AC | L22-20                        | <b>HBL2521</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 347/600V AC | L23-20                        | <b>HBL2531</b>      | <b>HBLSS45</b>              |
| 30A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-30                        | <b>HBL2811</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 277/480V AC | L22-30                        | <b>HBL2821</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 347/600V AC | L23-30                        | <b>HBL2831</b>      | <b>HBLSS45</b>              |

### Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

Adapter for Use with ¾" NPT Fittings

| Description                     | Cord Dia.     | Catalog Number   |
|---------------------------------|---------------|------------------|
| 3 Wire, Anodized Aluminum       | .250" - .750" | <b>WTSS234</b>   |
| 3 Wire, Stainless Steel         | .250" - .750" | <b>WTSS234SS</b> |
| 4 and 5 Wire, Anodized Aluminum | .250" - .750" | <b>WTSS334</b>   |
| 4 and 5 Wire, Stainless Steel   | .250" - .750" | <b>WTSS334SS</b> |

Adapter for Use with 1" NPT Fittings

| Description                     | Cord Dia.     | Catalog Number   |
|---------------------------------|---------------|------------------|
| 4 and 5 Wire, Anodized Aluminum | .375" - 1.00" | <b>WTSS310</b>   |
| 4 and 5 Wire, Stainless Steel   | .375" - 1.00" | <b>WTSS310SS</b> |



HBLSS3



HBLSS45



WTSS234



WTSS234SS



WTSS310



WTSS310SS