



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



Features and Benefits

Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.



125V



250V



277V AC



480V AC



600V AC



125/250V



HBL2310



Housing Design

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resistance it provides, however, is much greater than that of a thermoset



Wiring Design

- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



Mounting Strap

- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



Terminals

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring



Identification

- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



Contacts

- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire, Grounding



HBL2421SW



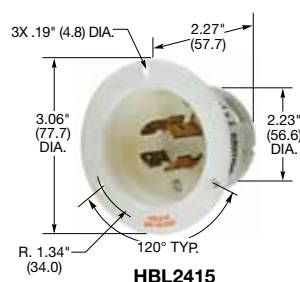
HBL2421S



HBL2411



HBL2425SW



HBL2415

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.	.350"-1.150" (9-29)	HBL2411SW	HBL2421SW	HBL2431SW

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.	.350"-1.150" (9-29)	HBL2411S	HBL2421S

Note: See page B-52 for accessories.

Insulgrip®

Description	Cord Dia.	Catalog Number	IP20 SUITABILITY
Black and white nylon.	.350"-1.150" (9-29)	HBL2411	HBL2421
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM11	HBL24CM21
All black nylon.	.350"-1.150" (9-29)	HBL2411BK	-

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

Description	Catalog Number	IP66 SUITABILITY	UL Type 4x, 12
Gray Valox® housing and flange.	HBL2415SW	HBL2425SW	HBL2435SW

Note: See page B-54 for accessories.

Insulgrip®

Description	Catalog Number	IP20 SUITABILITY
Nylon casing, back wired.	HBL2415	HBL2425

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.

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	HBL2311	HBLSS3
	250V	L6-20	HBL2321	HBLSS3
	277V AC	L7-20	HBL2331	HBLSS3
	480V AC	L8-20	HBL2341	HBLSS3
	600V AC	L9-20	HBL2351	HBLSS3
30A, 2 Pole 3 Wire Grounding	125V	L5-30	HBL2611	HBLSS3
	250V	L6-30	HBL2621	HBLSS3
	277V AC	L7-30	HBL2631	HBLSS3
	480V AC	L8-30	HBL2641	HBLSS3
	600V AC	L9-30	HBL2651	HBLSS3

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	HBL2411	HBLSS45
	3Ø250V AC	L15-20	HBL2421	HBLSS45
	3Ø480V AC	L16-20	HBL2431	HBLSS45
30A, 3 Pole 4 Wire Grounding	125/250V AC	L14-30	HBL2711	HBLSS45
	3Ø250V AC	L15-30	HBL2721	HBLSS45
	3Ø480V AC	L16-30	HBL2731	HBLSS45
	3Ø600V AC	L17-30	HBL2741	HBLSS45
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	HBL2511	HBLSS45
	3ØY 277/480V AC	L22-20	HBL2521	HBLSS45
	3ØY 347/600V AC	L23-20	HBL2531	HBLSS45
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	HBL2811	HBLSS45
	3ØY 277/480V AC	L22-30	HBL2821	HBLSS45
	3ØY 347/600V AC	L23-30	HBL2831	HBLSS45

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"	WTSS234
3 Wire, Stainless Steel	.250" - .750"	WTSS234SS
4 and 5 Wire, Anodized Aluminum	.250" - .750"	WTSS334
4 and 5 Wire, Stainless Steel	.250" - .750"	WTSS334SS

Adapter for Use with 1" NPT Fittings

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

