

Materials

Plug/Connector	Materials
Blade/contact carrier	Nylon, white
Terminal retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing insert	Nylon, white
Strain relief nut	PBT thermoplastic, gray
Blades/contacts	Brass, nickel plated
Terminal screws	Brass
Terminal screw size	#8-32 15A/20A Straight blade and 15A Locking, #10-32 20A and 30A Locking
Assembly screws	Stainless steel
Bushings	Thermoplastic elastomer, black
Gotcha ring	Nylon
Cone seal	Thermoplastic elastomer, black
Closure cap	Thermoplastic elastomer
Receptacle Assembly	Materials
Base, flip lid and backplate	PBT thermoplastic
Seal collar	Thermoplastic elastomer
Mounting screws	Stainless steel
Spring and hinge pin	Stainless steel
Portable Outlet Box & Accessories	Materials
Box enclosure	Thermoplastic elastomer
Strain relief nut	PBT thermoplastic
Grommet	Thermoplastic elastomer
Gotcha ring	Nylon
Locknut	Steel, zinc plate
Threaded inserts	Brass
Receptacle screw	Stainless steel
Cover plate	PBT thermoplastic
Cover plate seal	Neoprene
Cover plate spring	Stainless steel
Hinge pin	Stainless steel
Hinge bracket	Zinc plated steel
Rivets	Zinc plated steel

Performance Inches (mm)

Electrical	
Dielectric voltage	
Connectors:	2000V AC if rated 300V or less, 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less, 3500V AC if rated above 300V
Max working voltage	As marked
Current interrupting	Rated for current interruption per UL498
Temperature rise	30°C max per UL498 at rated current
Mechanical	
Cord and terminal accommodations:	
Plugs and Connectors	
15 and 20A Straight blade and 15A Locking	#16/3 SJ to #10/3 SJ, #18/3 S to #12/3 S (Ø.325" to Ø625") (Ø8.3mm to Ø15.9 mm)
20A Locking except BRY26W09 & BRY27W09	Min. cord: #16/3 SJ, #18/3 S, #18/4 SJ, #18/4 S, #18/5 S (Ø.325") (Ø8.3 mm) Max. cord: #10/3 S, #10/4 S, #10/5 S (.875") (22.2 mm)
30A Locking including BRY26W09 & BRY27W09	Min. cords: #12/3 SJ, #16/3 S, #14/4 SJ, #18/4 S, #18/5 S (Ø.375") (Ø9.5 mm) Max. cord: #8/3 S, #8/4 S, #10/5 S (1.125") (28.6 mm)
Receptacles – use solid or stranded building wire or flexible cord only as outlined below:	
All Straight blade	#18 AWG to #10 AWG
15A Locking	#18 AWG to #10 AWG
20A and 30A Locking	#18 AWG to #8 AWG
Portable Outlet Boxes	
Cord range	.38" to .68" (BRY3099, BRY3090F, BRY3000) and .38" to 1.00" with user-specified cord connector
Wiring volume	19.0 in3
Environmental	
Moisture resistance	UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (plugs and connectors), 3R, 3RX, 4, 4X (receptacles), wet and damp locations (portable outlet boxes), covers (POB) UL Type 3R and wet locations cover closed
Flammability	UL94V0 (boxes, covers, and plates), UL94V2 (plugs, connectors, and interiors), UL94HB (caps, bushings, and cone seals)
Operating temperatures	-40°C (without impact) to +60°C continuous
UV resistance	All exposed materials are UV stabilized

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Specifications

Listings (Plug/Connector and Flip Lid Assembly)	
Listed to UL498	
Certified to CSA C22.2 No. 42	
Meets NEMA® WD-1, WD-6, and ANSI Standards	
IP66 Suitability	
NSF Certified (plugs, connectors and receptacles)	
FD Box/Adapter	Materials
Box enclosure	PBT thermoplastic
Ground bracket	316 stainless steel
Ground screw	Brass
Angle adapter	PBT thermoplastic
Environmental	
Box	UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R (with weatherproof cover plate)