

HPT HPT Series™ Power Power Connectors & Accessories



Our **HPT Series™ Power Connectors and Accessories**, an extension of our highly successful HP Series™ (Blue/Grey) Power Connector line, brings significant design improvements to the marketplace! Designed to be fully plug compatible with both the original and latest industry standard products, UL Recognized, and an easier-to-use, innovative, patented, cable clamp lock design safety feature, the HPT Series™ is an ideal "first choice", or "drop in" replacement, for your lighting fixture, video wall, special effects, powered loud speaker or power distribution interconnect needs.

HPT Series™ Power Connectors are perfect for AC power supply where a durable, latched, twist-locking, circuit-breaking connector is required, and are rated at 20A @ 250V. HPT Series™ Power Connectors can be connected or disconnected under load and are IP65 rated. Front-end safety keying features are built into our design, eliminating the safety risks of mis-mating associated with worn out master key designs found in other brands on the market.

Market Applications: Entertainment & Broadcast Lighting, LED Video Walls, Stage Power Distribution Boxes, and Powered Loud Speakers

Features

- 2+PE contact layout
- 20A @ 250V (16A @ 250V EU)
- Quick release, easy on the thumb, vibration resistant latch
- High impact, UV resistant materials
- True Mains Connector with Current Breaking Capacity (CBC)
- Industry standard mating interface
- IP65 & UL50E Type 4 Enclosure rated (in mated condition or in conjunction with our accessory covers)
- Standard inline versions are UL rated for 14-3 SO OD cordage with a locking cable clamp*
- Jumbo versions ("J") are UL rated for 12-3 SO OD cordage without a locking cable clamp*
- U.S. Patents 10,186,804; D839,193; B840,341



*In order to accommodate the larger OD's of the 600V "SO" Cord in our jumbo connector design, the backshell locking feature was eliminated from the "Jumbo" designs. While the locking back shell is an added personnel safety feature, it is not a requirement of the NEC or UL.

IMPORTANT: This is the First UL Recognized Inline Connector on the market that accommodates up to 12-3 "SO" (600V) Portable Cord as REQUIRED in "Extra Hard Usage" Applications as defined by the NEC.

Our inline connectors accommodate larger OD 600V rated "SO" cordage, unlike competitive products that are only UL recognized for "SJO" (300V) "Junior" cordage. Article 400 of the National Electric Code defines the applications in which "Extra Hard Usage" "SO" portable cord is REQUIRED, which was not, until now, available from any connector manufacturer in the market. This required both UL and local electrical code inspectors to waive this requirement. As Inspectors learn of this product's availability, we believe this requirement will no longer be waived in new installations and you may be required to change out your non NEC-compliant cable connectors currently being used in these application to bring them up to Code. **(See Table 400.4 of NFPA 70: National Electrical Code (NEC) 2017 Edition.)**

Your Global Audio, LED Display & Lighting Interconnect Expert

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HPT HPT Series™ Power

HPT Series™ Characteristics

Number of Contacts	2 + PE
Cable Connector Termination	2mm Hex Key Screw Terminal
Chassis Mount Termination	Flat Tab 1/4"
Flammability	UL94V-0
Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
Rated Operating Voltage	250VAC
Test Voltage AC RMS	1500V
Current carrying capacity	16A (20A USA)
Typical Contact Resistance	≤2mΩ
Insulation Resistance (initial)	≥2GΩ
Insulation Resistance (after damp heat test)	≥0.1GΩ
Protection Class	IP65 (in mated or in combination with protective caps)
Operating Temperature	-25°C to +80°C (-13°F to +176°F)
Chassis Connector Weight*	15g (0.033lb) / 25g (0.055lb)
Cable Plug Weight*	40g (0.088lb)
Typical Cable Retention Force	Subject to cable material and O.D.
Cable O.D Range-Lockable Backshell	6.0 -12.0mm
Cable O.D Range-Non-Lockable Backshell	7.5 -16.0mm
Screw Terminals Conductor Size	2.5mm ² (AWG12)
Connector Shell / Finish	PA66 GF30 / Black
Insulators	PA66 GF30
Cable Boot / Backshell	Neoprene / PBT
Contact Plug - Material / Plating	Copper Alloy / Silver
Contact Chassis - Material / Plating	Copper Alloy / Silver

*Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

Accessories

Unlike our competitor's one-piece molded closure cap design, our robust design allows easy replacement by simply unscrewing a single mounting screw from the panel mount connector, slipping our bead chain lanyard under the panel screw hole, then reassembling the screw. This is a significant labor savings and will allow easy field replacement, no matter the location, while maintaining both IP65 and 3rd party certification even when applied to competitive panel mount connectors. We also offer spring-closure caps for an additional level of protection for unmated connections.



HPT Series™ Parts

Image	Part Number	Description	Contact Type
	HPT-3-F	3 Pole, Outlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (14-3 SO Cord OD Capacity) Locking Backshell	Screw
	HPT-3-FJ	3 Pole, Outlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (12-3 SO Cord OD Capacity) Non-Locking Backshell	Screw
	HPT-3-M	3 Pole, Inlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (14-3 SO Cord OD Capacity) Locking Backshell	Screw
	HPT-3-MJ	3 Pole, Inlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (12-3 SO Cord OD Capacity) Non-Locking Backshell	Screw
	HPT-3-MD	3 Pole, Chassis Inlet Connector, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-MDW	3 Pole, Chassis Inlet Connector, Thermoplastic Shell, Without Insulation Divider, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-FD	3 Pole, Chassis Outlet Connector, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-FDW	3 Pole, Chassis Outlet Connector, Thermoplastic Shell, Without Insulation Divider, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-CC	3 Pole, Chassis Inlet-Outlet Combination, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-CAPM	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-MD / HPT-3-MDW	-
	HPT-CAPF	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-FD / HPT-3-FDW	-
	HPT-CAPD	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-CC	-
	HPT-CAPSM	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-MD / HPT-3-MDW	-
	HPT-CAPSF	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-FD / HPT-3-FDW	-
	HPT-CAPSD	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-CC	-
	HPT-RT	Cable Connector Backshell Lock Release Tool	-

When The Show Must Go On
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