

Switchcraft®

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HEAVY DUTY 1/4" COMMERCIAL PHONE PLUGS

SERIES 188 AND 299 PLUGS

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* Switchcraft's 188 is more heavy-duty than our competitor's biggest 1/4" commercial phone plugs.

* Large curved tip solder terminal makes it easier to solder to heavy gauge wires.

* Longer sleeve terminal allows more room to make sleeve solder connections.

* Extra-large cable clamp securely grips cable of up to .450" in diameter.

* Will easily accommodate some varieties of four conductor 14 gauge wire and parallel two conductor 12 gauge wire.

* Bendable tab on sleeve terminal makes termination easier by holding down cable while soldering. In addition, such mechanical retention makes for a superior solder connection.

* Will handle up to 15 A. rms (maximum).

SPECIFICATIONS

Contact Resistance (typical *D.O.M.J.): < 0.020 ohms.

Dielectric Withstand Voltage: 500 VAC (minimum).

Insulation Resistance @ 500 VDC: 2,000 megohms (minimum).

Insulation Resistance (after MIL-STD-202 Salt Spray): 1,000 megohms (minimum).

Working Voltage: 250 VAC, 140 VDC.

Current Carry @ Working Voltage For 188 Plug (typical *D.O.M.J.) : 15.0 AMPS.

Current Carry @ Working Voltage For 299 Plug (typical *D.O.M.J.) : 6.0 AMPS.

Insert/Withdrawal Force: *D.O.M.J..

Soldering Requirement: ANSI/J-STD-001.

Temperature Range: -40° to + 85° Centigrade
U.L. Component Recognition File No.: E118169.

Life: *D.O.M.J.

Maximum Cable Size For 188 Plug: 12 AWG stranded,

up to .450" diameter.

Maximum Cable Size For 299 Plug: .290" diameter.

MATERIALS

Tip: Nickel-plated copper alloy.

Sleeve: Nickel-plated copper alloy.

Handle: Nickel-plated copper alloy.

Tip Terminal: Copper alloy, electrotin-plated.

Cable Clamp: Copper alloy, electrotin-plated.

Insulators For 188 Plug: Thermojet plastic, thermoplastic, thermoplastic film, P.P.O.

Insulators For 299 Plug: Thermoplastic, thermoplastic film, glass epoxy.

*D.O.M.J. - Dependent On Mating Jack

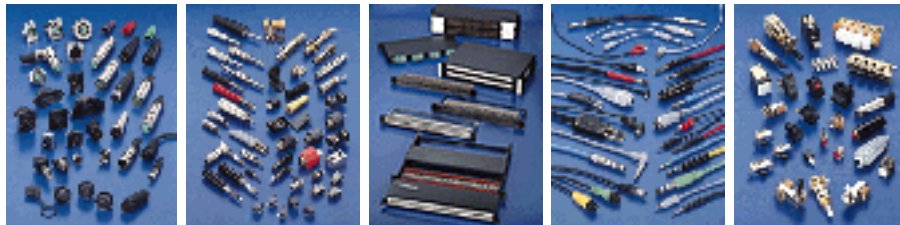
Part Number	Maximum Cable Size	Mating Jack
188	.450" Diameter	Z15J
299	.290" Diameter	Z15J

MM CONVERSIONS					
Series	Catalog Dimension	+ tol/- tol	Range	mm equiv.	Use
Series 188	3.127			79.4258	79.43
	2.063			52.4002	52.40
	0.688			17.4752	17.48

	0.453			11.5062	11.51
1/4	0.250			6.35	6.4
	1.000			25.4	25.40
Series 299	2.736			69.4944	69.49
	1.188			30.1752	30.18
	0.047			1.1938	1.19
1/4	0.250			6.35	6.4
	1.625			41.275	41.28
	0.500			12.7	12.70

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