

1/4" PHONE PLUG TECHNICAL DATA

| | | VALUE | | |
|-----------------------------------|--|--|--------------------------------------|---------------------------------------|
| | | Straight | Right Angle | Jumbo |
| GENERAL CHARACTERISTICS | Number of Contacts | 3 Pole Tip Ring Sleeve (Stereo) | | |
| | Termination | Solder | | |
| | Max. Wire Gauge - Stranded Wire | 2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ² | | |
| | Flammability rating of insulating plastics | UL94V-0 | | |
| | Solderability, complies with | IEC 68-2-20 | | |
| | Environmental | Complies with EU RoHS 2 Directive 2011/65/EU | | |
| ELECTRICAL CHARACTERISTICS | Current Carrying Capacity | 10A (Depends on Mating Connector and Cable) | | |
| | Typical Contact Resistance | Depends on Mating Connector | | |
| | Insulation resistance (initial) | >2GΩ | | |
| | After Damp Heat Test | ≥1GΩ | | |
| | Dielectric Withstand Voltage | 2 Pole : 1.5 kV dc 3 Pole : 1 kV dc | | |
| CLIMATIC CHARACTERISTICS | Protection Class | IP40 | | |
| | Operating Temperature | -25°C to +75°C (-13°F to + 167°F) | | |
| MECHANICAL CHARACTERISTICS | Insertion and Withdrawal Force | ≥10N - ≤30N | | |
| | Weight ¹⁾ - Thermoplastic Backshell | 28g (0.061lb) | | |
| | Weight ¹⁾ - Metal Backshell | 35g (0.077lb) | | |
| | Typical Cable Retention Force | 22kg to 44kg (50lb to 100lb) - Dependent on cable material and diameter. | | |
| | Cable O.D. - Standard Jaw | 3mm to 6mm (0.118" to 0.236") | 3mm to 5.5mm (0.118" to 0.216") | NA |
| | Cable O.D. - Large Jaw | 6mm to 7mm (0.236" to 0.275") | 5.5mm to 6.5mm (0.216" to 0.255") | NA |
| | Cable O.D. - Jumbo | NA | NA | 7.5mm to 10.5mm (0.295" to 0.413") |
| | Mechanical Operations | 1000 | | |
| MATERIALS | Connector Shell Material | Diecast Zinc Alloy EZDA No.3 | | |
| | Shell Finish | Satin Nickel or Black Polyester | | |
| | Insulators | UL94 V-0 PBT Resin or Modified PPE Resin - Black | | |
| | Boot / Backshell | UL94 V-0 PBT Resin or Modified PPE Resin - Black or Metal CuZn ³⁹ Pb ³ | | |
| | Cable Clamp | UL94 V-0 PBT Modified PPO Resin - Black | | |
| | Cable Bushing | Santoprene | | |
| | Contacts / Plating | Brass/Ni or Au over 2μm Ni | | |

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¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

