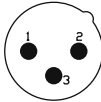
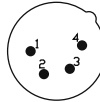
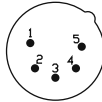
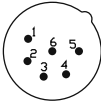
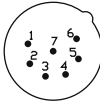


STANDARD DATA AC CABLE CONNECTORS

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A	7
	AC Series Contact Arrangements (Front view of pin inserts)					
	Termination	SOLDER				
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG		20AWG
	Flammability rating of insulator plastics and housings	UL94V-0				
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹				
	Test Voltage AC RMS	1400V				
	Current carrying capacity: Solder	15A	10A	7.5A		5A
	Typical Contact Resistance	≤3mΩ				
	Insulation Resistance	≥1GΩ				
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 - Metal ²	36g (0.080lb)	37g (0.081lb)	38g (0.083lb)		
	Weight - Thermoplastic ²	18g (0.039lb)	19g (0.041lb)	20g (0.044lb)		
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.				
	Cable O.D. range - JAWS clamp Standard Solder Large Solder	3mm to 6.5mm (0.118" to 0.255") 6.5mm to 8mm (0.255" to 0.314")				
	Mechanical Operations	1000 mating cycles				

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¹) Not suitable for domestic applications above 50V

²) Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

STANDARD DATA AC CABLE CONNECTORS

MATERIALS		DETAILS
Connector shell - Metal	Shell finish	Diecast Zinc Alloy Satin nickel or Black polyester
Connector shell - Thermoplastic	Shell finish	Thermoplastic, UL94V-0 Modified PPE Resin Black
Insulators		UL94V-0 PBT Resin or Modified PPE Resin
Boot / Backshell	Finish	UL94V-0 Modified PPE Resin or Machined Brass Black, other colours available - see page 134
Cable clamp	Standard Solder JAWS Large Solder JAWS	UL94V-0 Modified PPO Resin (Black) UL94V-0 Modified PPO Resin (Purple)
Cable Bushing		Santoprene
Male Contact	Stamped - Solder / Plating Machined - Solder / Plating	Phosphor Bronze / Silver or Gold (Optional) Brass / Silver or Gold (Optional)
Female Contact	Stamped - Solder / Plating Machined - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional) Brass / Silver or Gold (Optional)

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