

CA06R 36A-669

Specifications

Attribute	Value
Part Number Breakdown	
CA	Identifies the ITT Cannon CA Series of circular industrial and mil-spec equivalent connectors.
06	Designates a Straight Plug shell configuration.
R	Indicates the Environmental Resistor service class, providing lightweight construction, an integrated rear wire-sealing grommet, and an O-ring under the coupling nut for an IP67 environmental rating.
36	Specifies the Shell Size (36 mm class), accommodating higher contact densities and large wire bundles.
A-66 (or 36A-66)	Represents the specific Insert Arrangement designed for 56 high-reliability signal contacts.
9	Typically denotes an alternate shell keying polarization position or rotation layout (e.g., to prevent cross-mating when multiple identical connectors are used in proximity).
Core Technical Specifications	
Contact Count	56 Positions.
Contact Gender	Male (Pin).
Coupling Mechanism	Threaded or Reverse Bayonet (depending on the specific sub-series variation, though the "CA" designation typically uses a robust, rapid-mating reverse bayonet design).
Termination Type	Commonly utilizes crimp or solder cup terminations.
Material	Built with a high-grade aluminum alloy shell (traditionally plated in olive drab cadmium or a RoHS-compliant plating alternative) and copper alloy contacts.
Environmental Protection	Rated to IP67 / IP68 standards when properly mated with matching backshells and accessories