

FK-37-4-23C-7

Specifications

Attribute	Value
Overview	
Description	The FK-37-4-23C-7/8 is a heavy-duty, circular multi-pin connector belonging to the ITT Cannon / JAE K Series (Standard K). It is widely used as a broadcast industry standard for DT12 audio snakes (handling 12 balanced audio channels + grounds) in TV production trucks and live event staging.
Part Number Decoding	
FK	Series Prefix & Shell Size – Part of the K / Standard K series, with "F" designating the largest standard shell size group.
37	Number of Positions – Contains 37 pins/sockets.
4	Modification Code – A manufacturer variant code specifying precise contact layout, finish, or plating options.
23	Shell Style – Denotes a 90-degree right-angle plug with a socket (female) insert.
C	Backshell Provision – Specifies an integrated cable clamp housing.
7/8	Cable Entry Dimension – Dictates a clamp throat opening size of 7/8 inch (supporting cable bundle outer diameters between 19.40mm and 22.20mm).
Core Technical Specifications	
Contact Size & Wire Gauge	Accommodates 16 AWG conductors.
Current Rating	10 Amps per contact.
Voltage Capacity	Rated up to 1300V AC dielectric withstanding voltage.
Termination Type	Solder cup connection.
Mating Coupling	Robust, quick-disconnect Acme threaded coupling ring.
Shell Construction	Machined Aluminum Alloy with a zinc or heavy anodized finish for superior chemical and corrosion resistance.
Contact Material	Copper alloy base with high-conductivity silver plating.
Environmental Limits	Operates within a temperature range of -55°C to +85°C.