X-ray Tube Cable Selection Guide

Comprehensive Cable Specifications for Common Medical X-ray Tubes

This guide provides a quick reference for selecting appropriate high-voltage cables based on X-ray tube models, including connector type, number of conductors, and typical use scenarios. Ideal for service engineers, equipment designers, and procurement personnel.

Tube Model	Number of Conductors	Connector Type	Rated Voltage	Typical Equipment	Notes
Toshiba E7239FX	4 Core	Claymount CA11	75kV	C-arm, Mobile DR	dual focus tube supports focus switching
Toshiba E7884X	5 Core	Claymount CA12	75kV	High-end C-arm/DSA	with temperature feedback or focus control
Varian RAD-14	3 Core	R10/CA11	75kV	Conventional DR	single focus, simple structure
Siemens DURA 422MV	4 Core	R24	90kV	DR, Fluoroscopy System	dual focus tube, Requires two filament control wires
IAE SRO 33-50KW	3 Core / 4 Core	CA11/CA12	125kV	Analog/Digital X-ray System	older models use 3-core, newer use 4-core
GE RT7830/31	5 Core	Special R28	75–150kV	High-power Fluoroscopy System	Tube with grid control or feedback signal requires special connector
Dunlee D154	4 Core	Claymount CA11	90kV	Mobile DR & Digital Fluoroscopy System	Switchable filament circuit for dual-focus operation (Focus A/B)
Canon TH9447	5 Core	Claymount CA12	125kV	CT、DSA	complex control, Claymount cable recommended
Toshiba E5804X	4 Core	Claymount CA11	75kV	Mobile DR & Fluoroscopy System	Standard dual-focus application
Siemens OPTI 150/40/80HC	5 Core	R24	125kV	DSA with Fluoroscopy & Radiography Integration	with grid control and temperature monitoring
Dunlee DA165P40	4 Core	CA11	90kV	Fluoroscopy System	switchable small/large focus
Canon CXB-400B	3 Core	CA11	75kV	Portable DR	Single focus with simplified control
GE MX100	5 Core	Special R28	150kV	Large Flat-panel Dynamic Fluoroscopy System	requires high flexibility and signal control
Varian G-1086	4 Core	CA11	90kV	**Conventional** DR/CR	dual focus tube

For more information or custom cable solutions, please contact our technical support team.