



艾瑞特电气
X-RayTechnology

高压直流电缆
H.V DC Cable

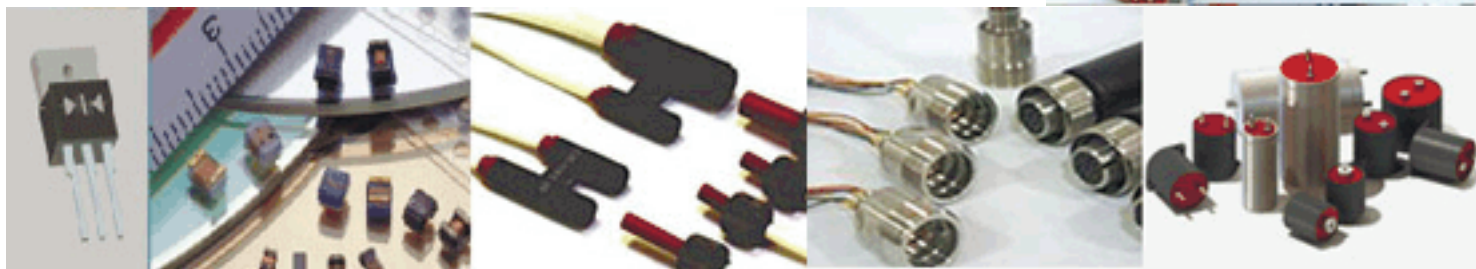


ESSEX
X-RAY

英国埃塞克斯

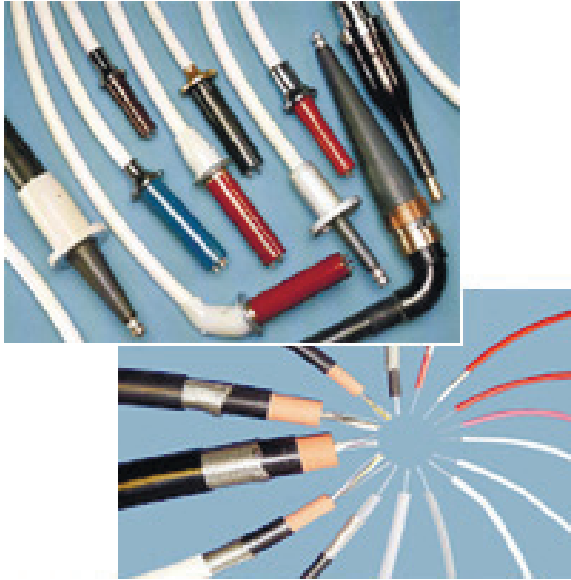


全球知名的高压电缆及高压器件的生产制造商
成立于1968年，拥有40多年的技术经验
美国HEICO总公司是福布斯100强企业



丹东艾瑞特电气有限公司
Dandong X-RayTechnology Co.,Ltd

ESSEX 高压电缆设计制造专家



Specialists in the design and manufacture of High Voltage cables



高压应用

●工业X射线电缆

100kV (R10), 160kV (R24), 210kV (R30), 225kV (R24/R28)

电缆及插座

●医用X射线电缆

75kV 联邦标准电缆及插座

●分析及科研用电缆

50KV-100KV 电缆及插座, 适用电光分析和检测设备

●高能 and 脉冲电缆

适用电子束焊机, 脉冲电源和其他高能应用的电缆和插座

电压高达300KV

●电缆插头、插座

适用低电压到300KV的所有型号的电缆

●定制设计

高压互连设计和满足客户要求的定制

HV applications

●Industrial X-ray Cables

100kV (R10), 160kV (R24), 210kV (R30), 225kV (R24/R28) type

Cables and Receptacles

●Medical X-ray Cables

75kV Federal Standard Cables and Receptacles

●Analytical & Scientific Cables

50kV to 100kV cables and receptacles for a wide range of electro-optic analysis and inspection equipment

●High Energy & Pulsed Power Cables

Cables and receptacles for Electron Beam welders, Pulsed Power and other high energy applications up to 300kV

●Receptacles

Receptacles for all types of cables from low KV up to 300kV

●Custom Designs

High Voltage interconnects designed and manufactured to meet customer requirements

ESSEX

2400系列X射线高压电缆

2400 Series X-Ray High Voltage cables



Essex 是工业用高压电缆和电缆插座的设计和制造专家。设计及生产适合绝大部分工业X射线应用设备所需要的高压电缆组件和电缆插座。

工业X射线用电缆采用模铸橡胶焊端技术，可用于以下直流（DC）电压及接头型号：

65kV (R3), 100kV (R10), 160kV (R24), 210kV (R30), 225kV (R24/R28)。

电缆可根据用户需要制作任意接头及长度，以适合用户的设备及应用。

ESSEX 电缆具备高柔韧性，低噪音，极佳的高压特性等特点，以确保电缆具有极高的高电压运行安全系数。

Essex X-Ray specialise in the design and manufacture of High Voltage

X-Ray cable assemblies and Receptacles to fit most makes of industrial equipment.

Industrial X-Ray cables with moulded rubber terminations are available for

the following DC voltages and connector styles:

65kV (R3), 100kV (R10), 160kV (R24), 210kV (R30), 225kV (R28) and Pantak types.

Cables are available with any combination of connector type or cable length to suit the customers system and application.

Essex X-Ray cable has been selected for its flexibility, low noise and excellent high voltage characteristics giving it a large operating voltage safety margin.



电缆附件

法兰，绝缘脂，触头，短接头等电缆附件齐全。

电缆插座

ESSEX生产制造 X 射线发生器和X射线管用的高压电缆插座。

Cable Accessories

A wide range of termination clamping flanges, insulation paste and receptacle blanking plugs are available.

Receptacles

Chassis mounted generator and x-ray tube receptacles are available for all applications.

2400系列X射线高压电缆技术参数 SPECIFICATIONS

型号 Part Number	2214	2226	2212	2213	2171	2143	2042	2266	2236
电压 Voltage	直流电压 DC(KV) 25	75	100	100	100	160	160	160	250
	交流电压 AC(KV) 25	25	30	30	30	50	50	50	75
导体数 No.of Cond	1 / 2	1 / 2 / 1	1 / 2	1 / 2 / 1	1 / 2 / 2	1 / 1 / 1	1 / 2	1 / 2 / 1	1 / 2
导体尺寸 AWG	15 / 15	13 / 15 / 16	15 / 15	13 / 15 / 20	15 / 15 / 20	4 / 6 / 20	15 / 16	13 / 15 / 16	12 / 14
导线股数/每股尺寸 Stands	38xTC / 19xTC	57xTC / 19xTC / 19xTC	38xTC / 19xTC	57xTC / 19xTC / 7xCW	38xTC / 19xTC / 7xCW	226xTC / 61xTC / 7xCW	38xTC / 19xTC	57xTC / 19xTC / 19xTC	19xTC / 19xTC
绝缘 Insulation	BA / PT	BA / PT / TE	BA / PT	BA / PT / MT	BA / PT / MT	BA / GB / EPR	BA / TE	BA / PT / TE	BA / TE
额定电压 Voltage Rating(kv DC)	N / 1	N / 1 / 5	N / 1	N / 1 / 10	N / 1 / 10	N / 5 / 25	N / 5	N / 1 / 10	N / 5
半导体直径 Semicon DIA(mm)	4.8	5.8	4.8	6.1	6.6	16	6.1	6.1	6.6
绝缘体 Material	EPR	EPR	EPR	EPR	EPR	EPR	EPR	EPR	EPR
Dielectric DIA(mm)	13	13.2	15.7	16.8	16.8	31.8	24.9	21.2	32.5
半导体 Semicon	extruded	extruded	extruded	extruded	extruded	tape	extruded	tape	extruded
屏蔽 Construction	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid	34 TC Braid
Shield AWG(equiv)	15	15	14	14	14	10	15	14	10
覆盖率 Coverage(%)	95	95	80	80	80	80	80	80	80
护套材料 Jacket Matrrial	PVC	PVC	PVC	PVC	PVC	HY	PVC	PVC	PVC
外直径 Outside DIA(mm)	16.51	16.51	19.94	21.46	21.46	39.37	31.12	26.42	38.23
阻抗 Impedance(ohms)	46	37	53	44	36	26	59	48	61
电容 Capacitance(pf/M)	154	197	131	161	167	243	115	154	102
最小弯曲半径 MIN Bend Radius(mm)	76.2	76.2	101.6	101.6	101.6	304.8	152.4	139.7	190.5
最小环境温度 MIN Ambient TEMP °C	-51	-51	-51	-51	-51	-51	-51	-51	-51
最大导体温度 MAX Conductor TEMP °C	121	121	121	121	121	121	121	121	121
重量 Weight(kg/M)	0.373	0.387	0.492	0.566	0.581	2.235	1.073	0.894	1.639

BA: BARE——裸铜

PT: Polyester tapes——聚酯带

TE: TEFZEL——乙炔

MT: Mylar tapes——聚酯薄膜带

GB: Glass braid——玻璃编织

EPR——乙丙橡胶

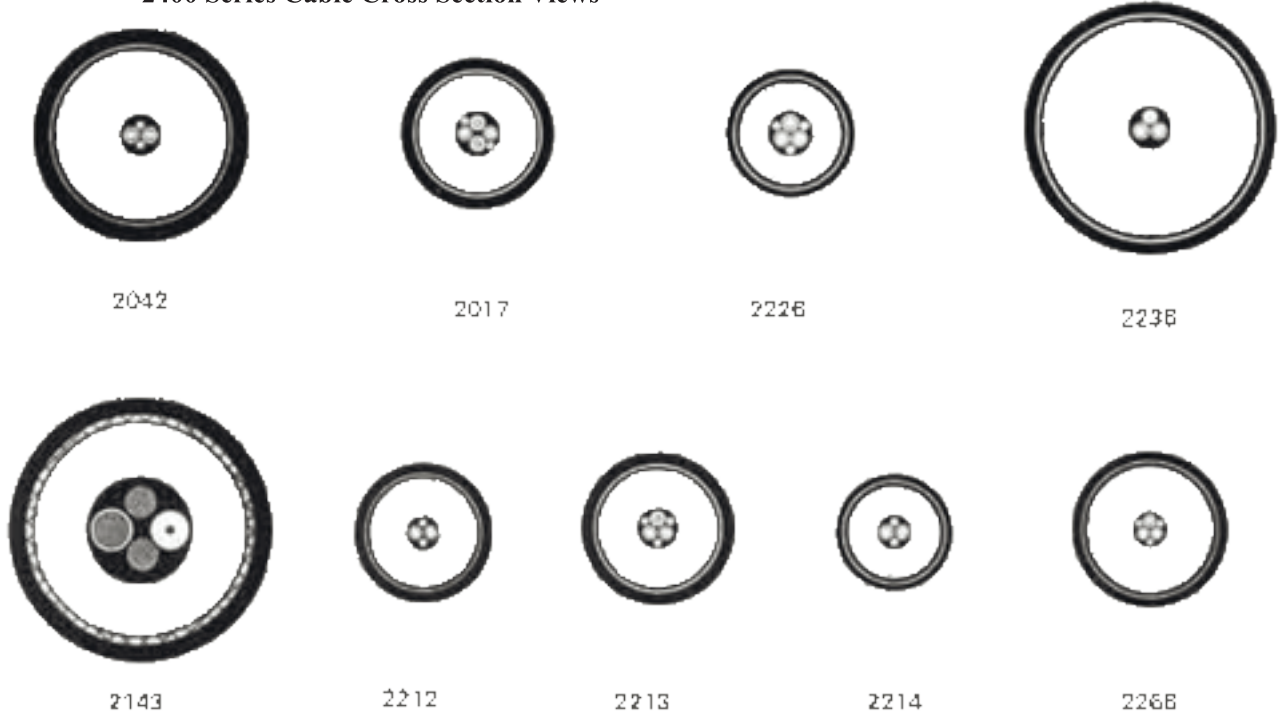
PVC——聚氯乙烯

HY: HYPALON——氯磺酰化聚氯乙烯合成橡胶

extruded——挤出型

2400系列X射线电缆截面图

2400 Series Cable Cross Section Views



ESSEX 高压电缆
High Voltage cable.

● **X射线电缆**

高品质，低噪音，3芯和4芯电缆医疗或工业用X射线系统。

电缆可高达直流250kV。电缆包含EPR绝缘，半导体，编织屏蔽各种材料的重型外护套。

● **屏蔽和非屏蔽电缆**

同轴，三轴的屏蔽和非屏蔽电缆，电压可达到直流300kV。

电缆由乙丙橡胶，硅橡胶，聚乙烯和特殊的电介质制造。

● **定制电缆**

提供高压连接器终端和可用于电压高达300kV的插座。

单位：丹东艾瑞特电气有限公司

地址：辽宁省丹东市新城区仪表园文庆路70-28

电话：+86 415 6123232

传真：+86 415 6123533 PC: 118009

电邮：wumingxia@xartchina.com MP:13941556543

● **X-Ray Cable**

High quality, low noise, 3 and 4 core cable for Medical and industrial X-Ray systems. Cable sizes are available for up to 250kVdc. Cables have an EPR Dielectric, semi-conductive, braided shield and heavy duty outer jackets of various materials.

● **Shielded and Unshielded Cable**

A wide range of Coaxial, Triaxial shielded and unshielded cables are available for voltages up to 300kVdc. Cables are available with EPR, Silicone, Polyethylene and special dielectrics.

● **Custom Cable**

HVT (High Voltage Technology) have the expertise to design and manufacture custom cable for applications where special cables are required.

● **HV Connectors and Receptacles**

When required cables can be supplied terminated with HV connectors. Receptacles are also available for voltages up to 300kV.