



额定电压为100 kVDC的 G4型高压电缆

高柔性、小直径、4芯橡皮绝缘高压电缆，额定电压为100kVDC

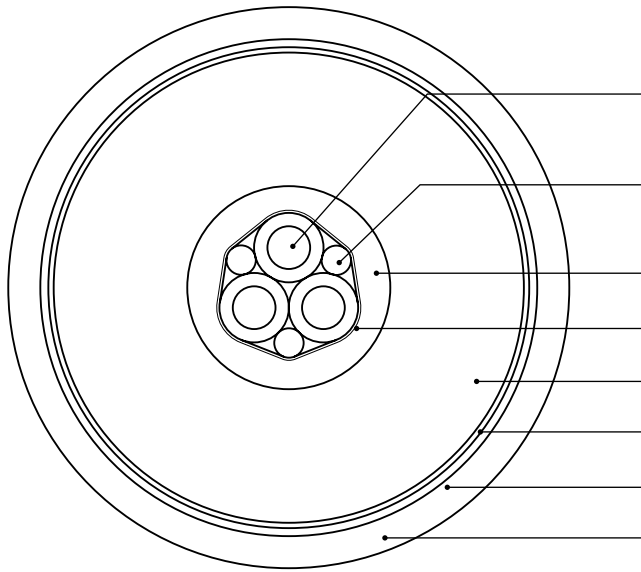
特点

- 高柔性
- 小直径
- 95%的屏蔽编织覆盖率

说明

此型号4芯橡皮绝缘高压电缆的典型应用为：

- 医用X射线设备（如标准X射线设备）、计算机断层显像(CT)和血管造影设备。
- 工业和科学X射线设备或电子束设备，如电子显微镜和X射线衍射仪
- 小电量高电压测试测量仪器



Construction

Red, white and yellow Tefzel insulated conductors, 1.5 mm² (19 x Ø 0.32 mm), stranded tinned copper wires.

Bare conductor, 2.25 mm² (3 x 30 x Ø 0.18 mm), stranded tinned copper wires.

Semi-conducting EP rubber.

Semi-conducting tape.

High voltage insulation, EP rubber, black.

Semi-conducting tape.

Shielding braid, 95 % coverage, tinned copper wires.

PVC jacket, color: light gray.

Technical data

Number of conductors	4
Rated voltage	100 kVDC
Routine test voltage (high voltage insulation)	160 kVDC / 10 min
Routine test voltage (conductor insulation)	2 kVACrms / 1 min (yellow: 5 kVACrms / 5 min)
Maximum conductor current	1.5 mm ² : 13 A; 0.75 mm ² : 9A
Nominal outside diameter	21 mm / 0.827 in / ±0.8 mm / ±0.031 in
Thickness of PVC jacket	1.0 mm / 0.039 in
Thickness of high voltage insulation	5.2 mm / 0.205 in
Diameter of core assembly	5.6 mm / 0.220 in
Insulation resistance core to shield @ 20 °C	1x10 ¹² Ω·m / 3x10 ¹² Ω·ft
Conductor insulation resistance @ 20 °C	1x10 ¹² Ω·m / 3x10 ¹² Ω·ft
Conductor resistance bare conductor @ 20 °C	7.53 mΩ/m / 2.47 mΩ/ft / ±5%
Conductor resistance insulated cond. @20 °C	11.4 mΩ/m / 3.7 mΩ/ft / ±5%
Capacitance between conductors and shield	190 pF/m / 62 pF/ft / ±10%
Cable min. bending radius (static installation)	42 mm / 1.7 in
Cable min. bending radius (dynamic installation)	84 mm / 3.3 in
Operating temperature	-10/+70 °C / +14/+158 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	480 kg/km