

额定电压为160 kVDC 的 N3型高压电缆

高柔性、3芯橡皮绝缘高压电缆，额定电压为160kVDC。

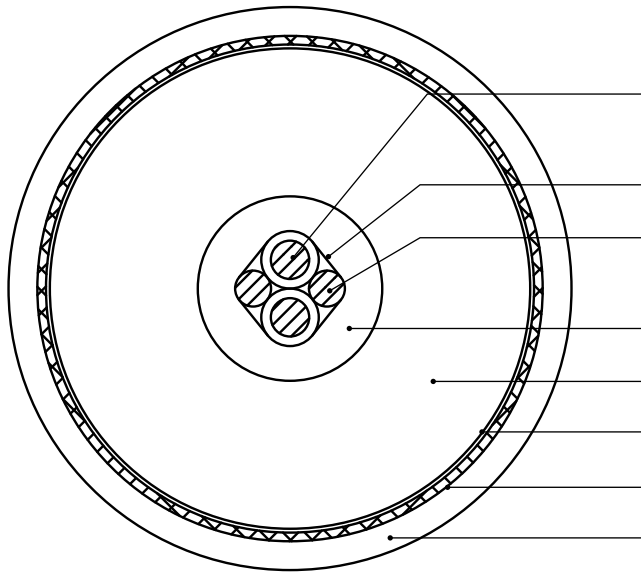
特点

- 高柔性
- 95% 的屏蔽编织覆盖率
- 采用氯丁橡胶护套来获得改进的化学/机械耐受特性。

说明

此型号3芯橡皮绝缘高压电缆的典型应用为：

- 医用或工业计算机断层显像(CT)设备
- 工业和科学X射线或电子束设备
- 小电量高电压测试测量仪器



Construction

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

Semi-conducting tape.

Bare conductor, 2.5 mm² (2 x 50 x Ø 0.18 mm), stranded tinned copper wires.

Semi-conducting EP rubber.

High voltage insulation, EP rubber, black.

Semi-conducting tape.

Shielding braid, > 95 % coverage, tinned copper wires.

Polychloroprene jacket, color: black.

Technical data

Number of conductors	3
Rated voltage	160 kVDC
Routine test voltage (high voltage insulation)	220 kVDC / 10 min
Routine test voltage (conductor insulation)	4.5 kVACrms / 1 min
Maximum conductor current	1.5 mm ² : 15 A; 1.25 mm ² : 14 A
Nominal outside diameter	29.3 mm / 1.154 in / ±1.5 mm / ±0.059 in
Thickness of polychloroprene jacket	2 mm / 0.079 in
Thickness of high voltage insulation	8.5 mm / 0.335 in
Diameter of core-assembly	4.8 mm / 0.189 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	6.6 mΩ/m / 2.2 mΩ/ft / ±5%
Conductor resistance insul. conductor @20°C	11.4 mΩ/m / 3.7 mΩ/ft / ±5%
Capacitance between conductors and shield	126 pF/m / 41 pF/ft / ±10%
Cable min. bending radius (static installation)	60 mm / 2.4 in
Cable min. bending radius (dynamic installation)	120 mm / 4.7 in
Operating temperature	-10/+100 °C / +14/+212 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	1020 kg/km