



## 额定电压为60 kVDC的M1型 (Mammoflex)高压电缆

高柔性、小直径、单芯橡皮绝缘高压电缆，额定电压为60kVDC。

### 特点

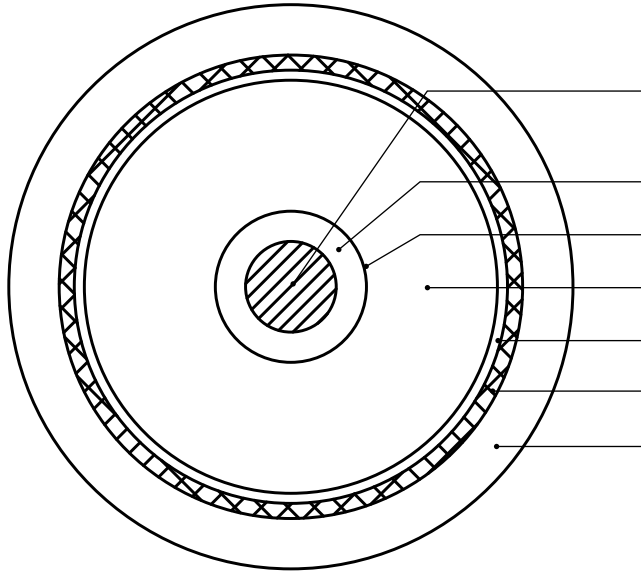
- 高柔性
- 小直径
- 95% 的屏蔽编织覆盖率

### 说明

此型号单芯橡皮绝缘高压电缆的典型应用为：

- 乳房造影及其它科学X射线、电子束或者激光设备。
- 小电量高电压测试测量仪器

### Construction



- Bare conductor, 2 mm<sup>2</sup> (37 x Ø 0.26 mm), stranded tinned copper wires.
- Semi-conducting tape.
- Semi-conducting EP rubber.
- High voltage insulation, EP rubber, black.
- Semi-conducting tape.
- Shielding braid, > 95 % coverage, tinned copper wires.
- PVC jacket, color: light gray, MAMMOFLEX imprinted.

### Technical data

Number of conductors	1
Rated voltage	60 kVDC
Routine test voltage (high voltage insulation)	90 kVDC / 10 min.
Conductor current rating	31 A
Nominal outside diameter	11.1 mm / 0.437 in / ±0.5 mm / ±0.020 in
Thickness of PVC jacket	1 mm / 0.039 in
Thickness of high voltage insulation	2.6 mm / 0.102 in
Diameter of core-assembly	1.8 mm / 0.071 in
Insulation resistance core-shield @ 20 °C	≥1x10 <sup>12</sup> Ω·m / ≥3x10 <sup>12</sup> Ω·ft
Conductor resistance @ 20 °C	8.82 mΩ/m / 2.9 mΩ/ft / ±5%
Shield resistance @ 20 °C	7.22 mΩ/m / 2.37 mΩ/ft / ±5%
Capacitance between conductor and shield	171 pF/m / 56 pF/ft / ±10%
Cable min. bending radius (static installation)	22 mm / 0.9 in
Cable min. bending radius (dynamic installation)	45 mm / 1.8 in
Operating temperature	-10/+70 °C / +14/+158 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	180 kg/km