

M1-TYPE (Mammoflex)

60 kVDC rated High Voltage Cable



Highly flexible, small diameter, 1-conductor, 60 kVDC rated rubber insulated high voltage cable.

FEATURES

- High flexibility.
- Small diameter.
- 95% shielding braid coverage.
- RoHS & REACH compliant.

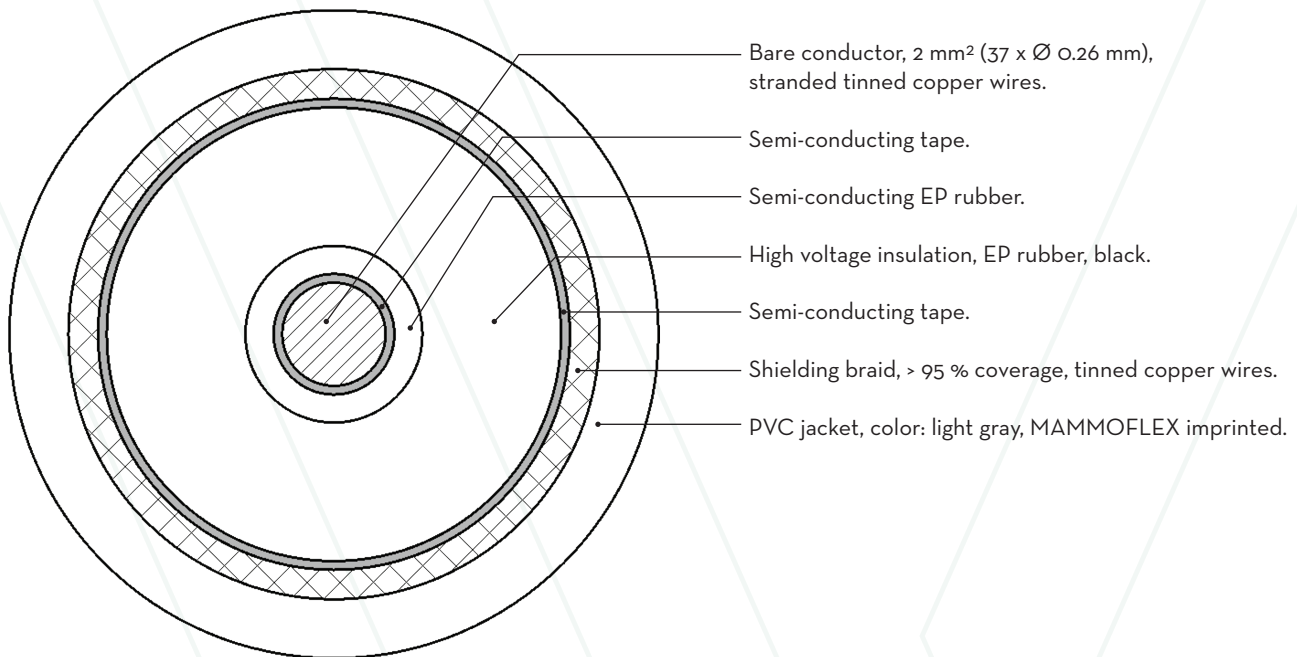
DESCRIPTION

This 1-conductor, rubber insulated high voltage cable's typical applications are:

- Medical mammography and other scientific X-ray, electron beam or laser equipment.
- Low power high voltage test and measuring equipment.

CONSTRUCTION MI-TYPE CABLE

(Illustration is not to scale)



- Bare conductor, 2 mm² (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 Specifications

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 ±0.5 mm / 0.437 ±0.020 in
Insulation resistance core-shield @ 20 °C	≥1x10 ¹² Ω·m / ≥3x10 ¹² Ω·ft
Conductor resistance @ 20°C	9.0 mΩ/m / 2.9 mΩ/ft / ±10%
Shield resistance @ 20°C	7.22 mΩ/m / 2.37 mΩ/ft / ±5%
Capacitance between conductor and shield	163 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	170 kg/km

MORE INFORMATION

Varex Imaging Corporation is a leading innovator, designer and manufacturer of X-ray imaging components, which includes tubes, digital flat panel detectors and other image processing solutions, which are key components of X-ray imaging systems.

For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at www.vareximaging.com/contact-information.

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