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 M1-TYPE CABLE
(Illustration is not to scale)

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 ..................... ≥1x10¹² Ω·m / ≥3x10¹² 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.

Varex Imaging Corporation

Headquarters
Salt Lake City, UT
Tel: 801-972-5000
Fax: 801-973-5050

Connect & Control
The Netherlands
Tel: +31 315 659150
Netherlands.CNC@vareximaging.com

©2017 Varex Imaging Corporation. All Rights reserved. Production of any of the material contained herein in any format or media without the express written permission of Varex Imaging Corporation is prohibited.