

axon'

CABLE & INTERCONNECT



Axotherm®

WIRES, CABLES AND SHEATHS FOR HIGH TEMPERATURES

+250°C
+240°C
+230°C
+220°C
+210°C
+200°C

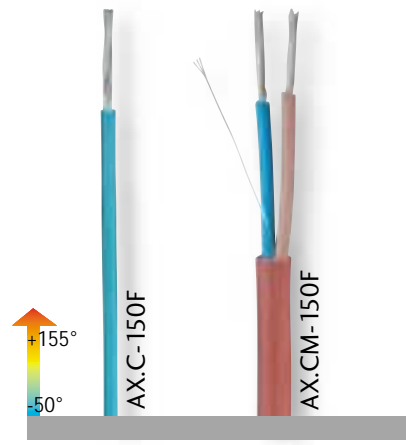


-060°C

+180°C
+170°C
+160°C

+150°C
+140°C
+130°C
+120°C
+110°C
-120°C
-130°C
-140°C
-150°C
-160°C
-170°C
-180°C

WIRES, CABLES AND SHEATHS FOR HIGH TEMPERATURES



AXOTHERM® HALOGEN FREE WIRES AND CABLES

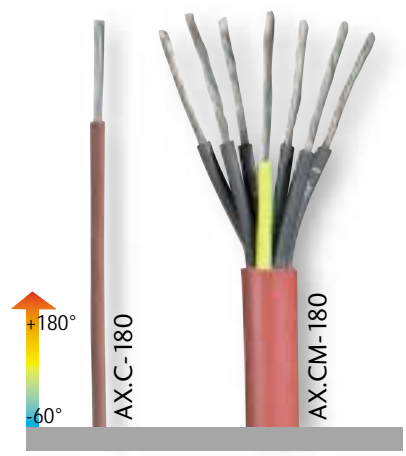
**AX.C-150F
AX.CM-150F**

**-50°C to +155°C
600 V**

Construction

- Flexible bare or tin plated copper conductor
- Cross section : from 0.25 mm² to 120 mm²
- Special polyolefine insulation
- Halogen free compound
- Shielding braid or armour on request
- Test voltage : 2000 V AC
- Other constructions on request

Technical data sheet on request



AXOTHERM® SILICONE WIRES AND CABLES

**AX.C-180
AX.CM-180**

**-60°C to +180°C
500 V**

Construction

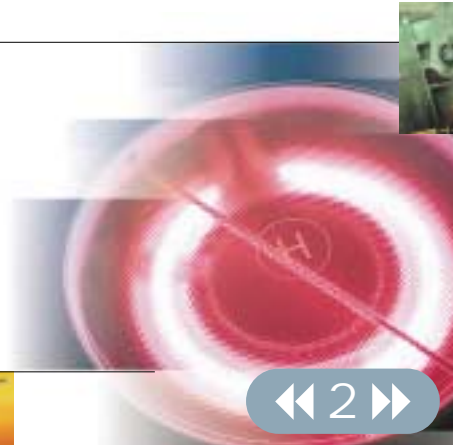
- Flexible bare or tin plated copper conductor
- Cross section : from 0.25mm² to 300 mm²
- Silicone insulation
- Double insulation on request : silicone, fibre glass or polyester braid
- Shielding braid or armour on request
- Test voltage : 2000 V AC
- Other constructions on request

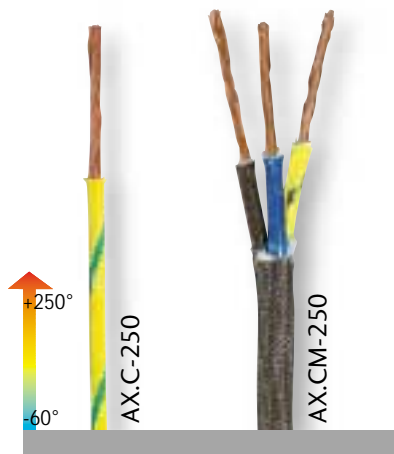
Technical data sheet on request



AX.C-150F
AX.CM-150F
AXOTHERM
-50°C à +155°C

MAXIMUM : +180°C AX-180
AX.CM-180
-60°C à +180°C





AXOTHERM® FIBRE GLASS WIRES AND CABLES

AX.C-250 AX.CM-250

-60°C to + 250° C
300/500 V

Construction

- Flexible bare copper or pure nickel conductor (AX.C-350N)
- Thermocouple, extension or compensating conductors on request
- Cross section : from 0.5 mm² to 16 mm²
- Fibre glass insulation
- Shielding braid or armour on request
- Test voltage : 1000 V AC

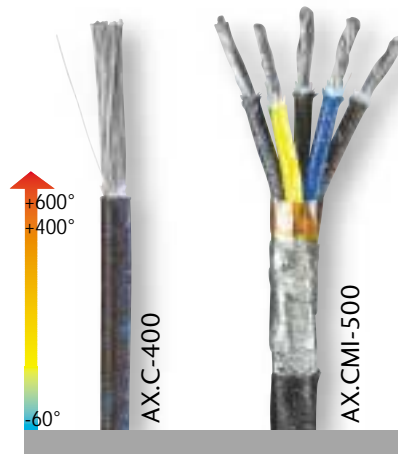
Technical data sheet on request

AX.C-250

AX.CM-250

-60°C à + 250° C

300/500V



AXOTHERM® SPECIAL WIRES AND CABLES

Ideal for cabling which needs to be resistant to high temperatures - eg in steel and iron factories, glass plants, etc

AX.C-400 AX.CM-400 AX.CI-500 AX.CMI-500

-60°C to +400°C/600°C
300/500 V

Construction

- Flexible nickel plated copper multicore conductor
- Cross section : from 1.50 mm² to 25 mm²
- PTFE tape
- Silicone fibre glass insulation
- Two MICA C-tapes (version 500)
- Coated fibre glass braid
- Shielding braid or armour on request

- Test voltage : 1000 V AC

- Other constructions on request

Technical data sheet on request

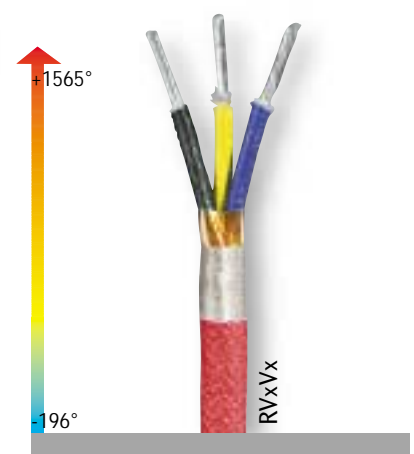
AX.C-400

AX.CM-400

AX.CI-500

AX.CMI-500

-60°C à +400°C/600°C



VIBRAFLAME®

Wires and cables with special insulation

BV, V, RV BVxVx RVxVx

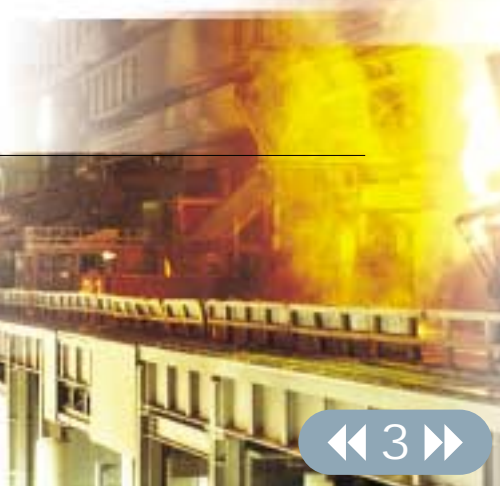
-196°C to +1565°C
600 V

Construction

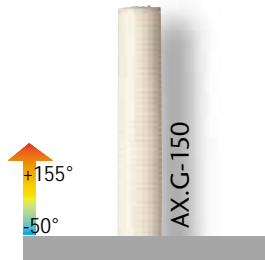
- Flexible nickel plated copper conductor
- Thermocouple, extension or compensating conductors on request
- Cross section : from 0.14 mm² to 52.95 mm²
- Special Vibraflame® insulation with fibre glass and tapes
- Shielding braid or armour on request

- Other constructions on request
- Test voltage : 2200 V AC

Technical data sheet on request



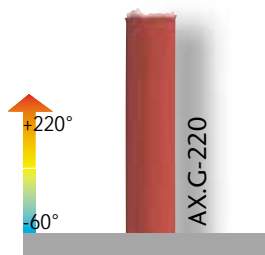
AXOTHERM® SPECIAL INSULATING SHEATHS



AX.G-150

-30°C to +155°C
4000 V

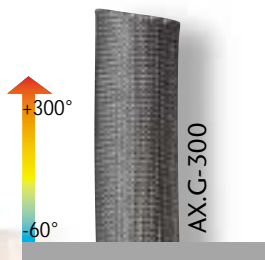
- Polyurethane coated fibre glass braid
- Diameter : from 0.5 mm to 16 mm
- Standard colour : off-white



AX.G-220

-60°C to +220°C
2500 V/4000 V/7500 V

- Silicone coated fibre glass braid
- Diameter : from 0.5 mm to 16 mm
- Standard colour : red



AX.G-300

-60°C to +300°C
1000 V

- Coated fibre glass braid
- Diameter : from 0.5 mm to 16 mm
- Standard colour : black

AXOTHERM®

WIRES, CABLES AND SHEATHS

FOR HIGH TEMPERATURES

-196°C TO +1565°C.

AXOTHERM® cables, wires and sheaths are specially designed to resist high temperatures ranging from -196°C to +1565°C.

AXOTHERM® is made with high performance insulating materials able to resist high temperatures such as :

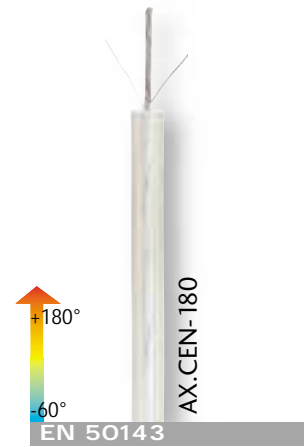
- polyurethane
- polyolefine
- silicone rubber
- high temperature fluorine resins
- coated fibre glass braids

AXOTHERM® is ideal for the most demanding applications in electrical appliances, lighting, heating, automotive, steel industries, etc

AXOTHERM® adds to the range of AXON' products including :

- Equipment wires insulated with high temperature fluorine resins.
- VIBRAFLAME® wires and cables patented by AXON'





AXOTHERM® SILICONE CABLES FOR (VERY) LOW OPERATING VOLTAGE

Spotlight cabling, power supplies, etc

AXOTHERM® SILICONE WIRES FOR HIGH OPERATING VOLTAGE (5/10 KV)

Neon signs, lighting



AX.CMP-180/TBT

AX.CMPG-180/TBT

-60°C TO +180°C

UTE15559

500 V

AX.CMP-180/TBT AX.CMPG-180/TBT

-60°C to +180°C
UTE 15559
500 V

Construction

- Flexible bare or tin plated copper conductor
- Cross section : from 2x0.5 mm² to 2x4 mm²
- Silicone rubber insulation

• Test voltage : 2000 V AC

• Standard colour : white

Packaging

- Available in 25 meter or 50 meter rolls vacuum packed

Technical data sheet on request

AX.CEN-180

-60°C to +180°C
EN 50143
5/10 KV

Construction

- Flexible bare or tin plated copper conductor
- Cross section : 1 x 1 mm²
- Special high voltage silicone insulation

• Other versions of the EN 50143 standard on request : type B, C1, C2, D1 and D2.

• Test voltage : 15 KV

• Breakdown voltage > 20 KV

• Standard colour : white or transparent

Technical data sheet on request

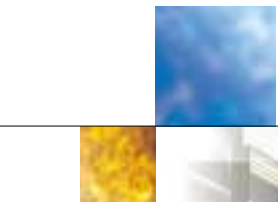
AX.CEN-180

-60°C TO +180°C

EN 50143

5/10 KV

AXOTHERM





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AXOTHERM® & VIBRAFLAME® - REGISTERED TRADEMARKS AXON' CABLE SAS

-  EQUIPMENT WIRES
-  COAXIAL CABLES
-  FLAT CABLES
-  COMPOSITE CABLES
-  HARNESSES
-  SPECIAL CABLES

