



Reference: 10045491
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CONTACT

Market information
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Wiring Cables

STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-353; IEC 60092-360

Test a; IEC 60332-3-22; IEC 60754-1; IEC 61034

APPLICATION

MX 0.6/1 kV power wires are used for wiring switchboards, cabinets, control panels and various electrical enclosures. The highly flexible wires are designed with finely stranded conductors for easy connection. The halogen-free fire retardant insulation provides optimum safety for people and maximal asset protection against all risks of fire.

Design

1. **Conductor**
 Flexible bare copper
 Class 5
2. **Insulation**
 Halogen-free cross-linked material type HF 90
 Colours: black, green/yellow, red, blue or white

Marking

I NEXANS I MX 0.6/1kV "Section" mm² 90° C IEC 60332-3-22 "ww/yy"
 + metric marking



Conductor flexibility
 Flexible class 5



Halogen free
 IEC 60754-1



Rated Voltage U₀/U
 (Um)
 0.6/ 1 (1.2) kV



Fire retardant
 EN IEC 60332-3-22
 (cat A)



Flame retardant
 IEC 60332-1



Smoke density
 IEC 61034



Gases corrosivity
 IEC 60754-2



Operating temp.
 -30 ... 80 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Flexible class 5
Insulation	Polyolefin
Halogen free	IEC 60754-1
Insulation colour	Black

Dimensional characteristics

Number of cores	1
Conductor cross-section	25 mm ²
Nominal outer diameter	8.5 mm
Minimum outer diameter	8.0 mm
Maximum outer diameter	9.4 mm
Approximate weight	246 kg/km

Electrical characteristics

Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV
Max. DC resistance of the conductor at 20°C	0.78 Ohm/km
Permissible short circuit current	3.6 kA
Nominal inductance	0.24 mH/km
Permissible current rating in open air	127 A

Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	- °C
Length	- m
Packaging	Cut to length
Standard	IEC