

CAVI ROBOTICA

Applicazioni speciali su ROBOT

Introduzione

Il nostro Ufficio tecnico offre soluzioni per un'ampia gamma di prodotti orientati al mercato della robotica. Siamo in stretta collaborazione con i nostri clienti per sviluppare soluzioni personalizzate, adattandole perfettamente alle loro necessità, ad esempio nelle seguenti applicazioni:

- Robot per saldatura
- Robot per taglio laser
- Robot manipolatori
- Robot per perforazione
- Robot per verniciatura
- Robot per video-ispezione condotti fognari

Con l'esperienza accumulata in questi anni produciamo un'ampia gamma di cavi per robotica ad alto livello tecnologico, con materiali di isolamento e guaina speciali, utilizzati in macchinari in grado di fabbricare cavi a spessori molto ridotti ma allo stesso tempo molto resistenti.

Vantaggi dei nostri cavi robotica:

- Soluzioni personalizzate adattate alle varie applicazioni
- Materiali di guaina altamente resistenti
- Alta flessibilità
- Raggio di curvatura minimo 5 x D in posa mobile (2 x D in posa fissa, D è il Ø esterno)
- Adatti ad applicazioni con torsione
- In conformità alle normative UL ,CSA

ROBOTIC CABLES

Special ROBOT Application

introduction

Our Technical Department provides solution for a wide range of products in the robotic field.

We work in close cooperation with our customers to develop customised solutions, in order to suit their needs at best, as for example:

- Welding Robots
- Laser Cut Robots
- Handling Equipment Robots
- Drilling Robots
- Robots for industrial painting
- Robots for video inspection of sewage systems

The acknowledgement and experience we have acquired in these last years allow us to produce a wide range of hi-tech robotic cables, with reduced wall thickness and special insulation and jacket materials, which make our cables resistant to several applications.

Advantages of our robotic cables:

- Customised solutions for any application
- High resistant jacket materials
- High flexibility
- Minimum bending radius 5 x D in dynamic installation (2 x D in fixed installation, D is the outer Ø)
- Torsion and stress
- In compliance with UL and CSA standards

Cavo di saldatura primaria Primary welding cable



1 x 10mm²

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 7.9mm
Rated voltage 0.75/1kV
Temperature range: - 40°C to + 80°C



1 x 16mm²

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 9.3mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C



1 x 25mm²

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 10.7 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

Altre sezioni disponibili su richiesta. Contatta il nostro ufficio commerciale.

Othersize, construction or configuration are available on request. Contact our commercial departments.

**1 x 35mm²**

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 12.8 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

**1 x 50mm²**

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 16.0 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

**1 x 70mm²**

Ultra-flexible copper conductor
TPE insulation, black colour
Polyurethane outer sheath
Outer diameter: 18.0 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

3 x 10mm²

Ultra-flexible copper conductor
TPE insulation
Polyurethane outer sheath
Outer diameter: 16.0 mm
Rated voltage 0.75/1 kV
Temperature range: - 40° C to + 80°C

3 x 16mm²

Ultra-flexible copper conductor
TPE insulation
Polyurethane outer sheath
Outer diameter: 19.0 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

3 x 25mm²

Ultra-flexible copper conductor
TPE insulation
Polyurethane outer sheath
Outer diameter: 23.3mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

3 x 35mm²

Ultra-flexible copper conductor
TPE insulation
Polyurethane outer sheath
Outer diameter :26.5mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

3 x 50mm²

Ultra-flexible copper conductor
TPE insulation
Polyurethane outer sheath
Outer diameter: 29.0 mm
Rated voltage 0.75/1kV
Temperature range: - 40° C to + 80°C

Cavo di controllo

Control cable



Combi 5x1+(2x1) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (2x1)
 Polyurethane outer sheath
 Outer diameter: 9.6 mm
 Rated voltage 600V
 Temperature range: - 40° C a + 80° C



Combi 6x0,75+(3x0,75) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (3x0,75)
 Polyurethane outer sheath
 Outer diameter: 9.6 mm
 Rated voltage 450V
 Temperature range: - 40° C a + 80° C



Combi 2x0,5+(2x0,5) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (2x0,5)
 Polyurethane outer sheath
 Outer diameter: 8.1 mm
 Rated voltage 600V
 Temperature range: - 40° C a + 80° C



Combi 16x1+(2x1) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (2x1)
 Polyurethane outer sheath
 Outer diameter: 13.5 mm
 Rated voltage 600V
 Temperature range: - 40° C a + 80° C



Combi 23x1+(2x1) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (2x1)
 Polyurethane outer sheath
 Outer diameter: 13.3 mm
 Rated voltage 600V
 Temperature range: - 40° C a + 80° C



Combi 24x1+(2x1) mm²
 Ultra-flexible copper conductor
 TPE insulation
 Braided copper shield (2x1)
 Polyurethane outer sheath
 Outer diameter: 15.0 mm
 Rated voltage 600V
 Temperature range: - 40° C a + 80° C



Combi 13x0,5+3x1+(2x0,5) mm²

Ultra-flexible copper conductor
TPE insulation
Braided copper shield (2x0,5)
Polyurethane outer sheath
Outer diameter: 11.7 mm
Rated voltage 600V
Temperature range: - 40° C a + 80° C



Combi (3x2x0,25)+2x4x0,25+(4x0,5)+2x(2x0,5)+(4x1,5)+(5x0,5)mm²

Ultra-flexible copper conductor
TPE insulation
Braided copper shield (.....)
Polyurethane outer sheath
Outer diameter: 18.1 mm
Rated voltage 600V
Temperature range: - 40° C a + 80° C

Cavo BUS **BUS cable**

PROFIBUS

Ultra-flexible copper conductor
TPE insulation
Braided copper shield
Polyurethane outer sheath
Outer diameter: 12.9 mm
Rated voltage 600V
Temperature range: - 40 ° C to +80 ° C

INTERBUS

Ultra-flexible copper conductor
TPE insulation
Braided copper shield
Polyurethane outer sheath
Outer diameter: 12.9 mm
Rated voltage 600V
Temperature range: - 40 ° C to +80 ° C

CLPA

Ultra-flexible copper conductor
TPE insulation
Braided copper shield
Polyurethane outer sheath
Outer diameter: 12.3 mm
Rated voltage 600V
Temperature range: - 40 ° C to +80 ° C

DEVICE NET

Ultra-flexible copper conductor
TPE insulation
Braided copper shield
Polyurethane outer sheath
Outer diameter: 9.1 mm
Rated voltage 600V
Temperature range: - 40 ° C to +80 ° C

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