



## CONTACT

Market information  
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Servo cables with control pair according to DANAHER standard for dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen free

## STANDARDS

**Product** UL and CSA approval

## POWER

**Rated voltage:**

1000 V

**Conductors:**

Bare copper

**Insulation material:**

Polyolefin

**Core identification:**

Power: Black num. 1+3 + Green/Yellow

**Shield:**

Tinned copper braid covering > 85%

**Binder tape:**

Textile no textile

**Jacket:**

PUR

**Colour:**

ORANGE RAL 2003 (-A3)

## Signal pair

**Rated voltage:**

600 V

**Conductors:**

Bare copper

**Insulation:**

Polyolefin

**Core identification:**

Black - White

**Shield:**

Tinned copper wrap covering > 85%

**Binder tape :**

Textile no textile



Halogen free  
Yes



Operating temp.  
-30 ... 80 °C



Storage temperature, range  
-40 ... 80 °C



Oil resistance  
EN 50363-10-2



Flame retardant  
IEC/EN 60332-1-2; FT1; UL 1581 FT1

## CHARACTERISTICS

### Construction characteristics

Construction type	-
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Power: Black num 1-3 + Green/Yellow; Signal: Black-White
Lay Up	power cores and control pairs stranded with filler
Taping	Non hygroscopic tape
Shielding	≥85% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

### Dimensional characteristics

Nominal outer diameter	- mm
Copper content	- kg/km
Approximate weight	- kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V

### Mechanical characteristics

Maximum acceleration	20 m/s <sup>2</sup>
Bending cycles	10 Mio.
Speed	220 m/min

### Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	- (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1



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