



Product: <u>5G1.0CP</u> ☑

MachFlex™ 350CP, 4C+1G 1 mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PUR Outer Jkt

# **Product Description**

MachFlex™ 350CP Control Cable, 4 Conductor + 1 Ground 1 mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PUR Outer Jacket

# **Technical Specifications**

### **Product Overview**

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more. PUR jacket provides with excellent abrasion protection and chemical resistance. Tinned copper braid shielding version will ensure the cable with good noise immunity.

### **Construction Details**

### Conductor

Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	4	1 mm²	Stranded	Class 5	BC - Bare Copper
Ground	1	1 mm²	Stranded	Class 5	BC - Bare Copper

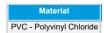
#### Insulation

Element	Material	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	Black #1, Black #2, Black #3, Black #4
Ground	PVC - Polyvinyl Chloride	Yellow/Green

## **Outer Shield**

Shield Type	Material
Braid	Tinned Copper (TC)

### Inner Jacket



# Outer Jacket



### **Electrical Characteristics**

## Voltage

Voltage Rating
300/500 V (Max. Operating Voltage), 4000 V (Testing Voltage)

## **Mechanical Characteristics**

#### Temperature

Operating		Installation	
	-20°C to +70°C (Occasional movement)	40°C to +80°C (Fixed installation)	

#### Bend Radius

60 mm (2.4 in)	200 mm (7.9 in)
, ,	, ,
Bulk Cable Weig	ht. 161 kg/km /

Bulk Cable Weight: 161 kg/km (108 lbs/1000ft)

# **Standards and Compliance**

Installation Min. Flexing Min.

Environmental Suitability:	Sunlight Resistance, UV Resistance, Oil Resistance - 70°C x 4h
ISO/IEC Compliance:	IEC 60228
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	EN 50525-2-51, VDE 0285, VDE 0295, EN 50363-3, EN 50363-10-2, BS 6360

# **Product Notes**

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Notes:	General Reference Standards: VDE 0207-363-3, DIN VDE 0207-363-10-2

# History

Update and Revision:	
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#### **Part Numbers**

#### Variants

Color	Length
Black	100 m
Black	200 m
Black	300 m
Blue	100 m
Blue	200 m
Blue	300 m
Gray, RAL 7001	100 m
Gray, RAL 7001	200 m
Gray, RAL 7001	300 m
	Black Black Blue Blue Blue Gray, RAL 7001 Gray, RAL 7001

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