



**Product:** [4G1\\_5CY](#)

MachFlex™ 350CY, 3+1G C 1.5mm<sup>2</sup> Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

## Product Description

MachFlex™ 350CY Control VDE Certified, 3 Conductor + 1 Ground 1.5mm<sup>2</sup> Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PVC Outer Jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Applicable for occasional flexing or fixed installation connecting precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more in noisy industrial environment.
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### Construction Details

#### Conductor

Element	Size	Stranding	Material
Conductor(s)	1.5 mm <sup>2</sup>	Class 5	BC - Bare Copper
Ground	1.5 mm <sup>2</sup>	Class 5	BC - Bare Copper

#### Insulation

Material	Color Code
PVC - Polyvinyl Chloride	Black #1, Black #2, Black #3, Green/Yellow

#### Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

#### Inner Jacket

Material
PVC - Polyvinyl Chloride

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	10.0 mm

### Electrical Characteristics

#### Electricals

Max. Conductor DCR
13.3 Ohm/km (4.05 Ohm/1000ft)

#### Voltage

Voltage Rating
300/500 V (IEC-)

### Mechanical Characteristics

#### Temperature

Operating	Installation
15°C to +70°C	40°C to +80°C

## Bend Radius

### Installation Min.

6 x OD

Bulk Cable Weight: 171 kg/km (115 lbs/1000ft)

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2
Third Party Performance Verification:	VDE Certification No. 40041970, VDE Registration No. 8770
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	IEC 60227-5, EN 50525-2-51, VDE 0281-13

## History

Update and Revision: Revision Number: 0.19 Revision Date: 07-04-2024

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