# Product: 5X1.5NCY


MachFlex™ 350NCY, 5 C 1.5 mm² Str BC, PVC Ins, TCBS, PVC Outer Jkt

## Product Description

MachFlex™ Control Cable 350NCY, 5 Conductors 1.5 mm² Stranded Bare Copper, PVC Insulation, 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. |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Stranding Class | Material |
|---|---|---|---|---|---|
| Conductor(s) | 5 | 1.5 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, Black #5 |

**Outer Shield**

| Shield Type | Material |
|---|---|
| Braid | Tinned Copper (TC) |

**Outer Jacket**

| Material |
|---|
| PVC - Polyvinyl Chloride |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 8.9 mm (0.35 in) |

### Electrical Characteristics

**Voltage**

| Voltage Rating |
|---|
| 300 / 500 V (Max. Operating Voltage) |

### Mechanical Characteristics

**Temperature**

| Operating | Installation |
|---|---|
| -5°C to +70°C (Continuous movement) | 40°C to +80°C (Fixed installation) |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 133.5 mm (5.256 in) | 53.4 mm (2.10 in) |

| | |
|---|---|
| Bulk Cable Weight: | 149 kg/km (100 lbs/1000ft) |

### Standards and Compliance

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|---|---|
| Environmental Suitability: | Indoor, Outdoor, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54) |
| Flammability / Reaction to Fire: | IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | VDE 0285-525-2-51, EN 50525-2-51 |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.6 Revision Date: 12-20-2024 |

## Part Numbers

**Variants**

| Item # | Color | Length |
|---|---|---|
| 5X1.5NCY 010100M | Black | 100 m |
| 5X1.5NCY 010200M | Black | 200 m |
| 5X1.5NCY 010300M | Black | 300 m |
| 5X1.5NCY 006100M | Blue | 100 m |
| 5X1.5NCY 006200M | Blue | 200 m |
| 5X1.5NCY 006300M | Blue | 300 m |
| 5X1.5NCY G8U100M | Gray, RAL 7001 | 100 m |
| 5X1.5NCY G8U200M | Gray, RAL 7001 | 200 m |
| 5X1.5NCY G8U300M | Gray, RAL 7001 | 300 m |