



Product: <u>3X1.0NCY</u> ☑

MachFlex™ 350NCY, 3 C 1 mm² Str BC, PVC Ins, TCBS, PVC Outer Jkt

Product Description

MachFlex™ Control Cable 350NCY, 3 Conductors 1 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) | 3 | 1 mm² | Stranded | Class 5 | BC - Bare Copper |

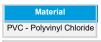
Insulation

| Element | Material | Color Code |
|--------------|--------------------------|------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | Black #1, Black #2, Black #3 |

Outer Shield

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

Outer Jacket



Overall Cable Diameter (Nominal): 6.9 mm (0.27 in)

Electrical Characteristics

Voltage



Mechanical Characteristics

Temperature

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

79 kg/km (53 lbs/1000ft)

Bend Radius

Bulk Cable Weight:

| Stationary Min. | Installation Min. |
|---------------------|-------------------|
| 103.5 mm (4.075 in) | 41.4 mm (1.63 in) |

Standards and Compliance

| 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

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

Part Numbers

Variants

| Item # | Color | Length |
|------------------|----------------|--------|
| 3X1.0NCY 010100M | Black | 100 m |
| 3X1.0NCY 010200M | Black | 200 m |
| 3X1.0NCY 010300M | Black | 300 m |
| 3X1.0NCY 006100M | Blue | 100 m |
| 3X1.0NCY 006200M | Blue | 200 m |
| 3X1.0NCY 006300M | Blue | 300 m |
| 3X1.0NCY G8U100M | Gray, RAL 7001 | 100 m |
| 3X1.0NCY G8U200M | Gray, RAL 7001 | 200 m |
| 3X1.0NCY G8U300M | Gray, RAL 7001 | 300 m |

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