



Product: [C2X25CY](#)

MachFlex™ 375CY, 2 C 25mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 2 Conductor 25mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications: 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. Tinned copper braid shield ensures cables with excellent noise immunity

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|--------------------|-----------|------------------|-------------------|
| Conductor(s) | 25 mm ² | Class 5 | BC - Bare Copper | 2 |

Conductor Count: 2

Insulation

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

Color Chart

| Color |
|-------|
| Brown |
| Blue |

Inner Jacket

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

Outer Shield

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

Outer Jacket

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 23.7 mm |

Electrical Characteristics

Voltage

| Dielectric Withstand Voltage | Non-UL Description | Non-UL Voltage Rating |
|------------------------------|--------------------|-----------------------|
| 4000 V | IEC: | 450/750 V |

Temperature Range

Installation Temp Range: -40°C to +80°C

Operating Temp Range: -5°C to +70°C

Mechanical Characteristics

| | |
|------------------------------------------|-----------|
| Oil Resistance: | Yes |
| UV Resistance: | Yes |
| Bulk Cable Weight: | 968 kg/km |
| Min. Bend Radius During Installation: | 6 x OD |
| Min. Bend Radius During Operation: | 20 x OD |

Standards

Other Specification: IEC 60227-5, EN 50525-2-51, VDE 0281-13

Applicable Environmental and Other Programs

EU Directive
2011/65/EU (RoHS 2): Yes

Suitability

| | |
|---------------------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Oil Resistance: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|---------------------|----------------------------------------|
| IEC Flammability: | IEC 60332-1-2 |
| Other Flammability: | DIN VDE 0482-332-1-2, DIN EN 60332-1-2 |

Related Part Numbers

Variants

| Item # | Color | Length |
|-----------------|--------------------|--------|
| C2X25CY 01050M | Black, RAL 9005 | 50 m |
| C2X25CY 010100M | Black, RAL 9005 | 100 m |
| C2X25CY 36850M | Clear, Transparent | 50 m |
| C2X25CY 368100M | Clear, Transparent | 100 m |
| C2X25CY G8U50M | Gray, RAL 7001 | 50 m |
| C2X25CY G8U100M | Gray, RAL 7001 | 100 m |

History

Update and Revision: Revision Number: 0.8 Revision Date: 12-15-2021

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