



Product: [C18X2.5](#)

MachFlex™ 375YY, 18 C 2.5mm² Str BC, PVC Ins, PVC Jkt



Product Description

MachFlex™ 375YY, 18 Conductor 1.5mm² Stranded Bare Copper, PVC Insulation, PVC 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 |
|------------------------|--|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Stranding Class | Material |
|--------------|-----------------|---------------------|-----------|-----------------|------------------|
| Conductor(s) | 18 | 2.5 mm ² | Stranded | Class 5 | BC - Bare Copper |

Insulation

| Element | Material | Color Code |
|--------------|--------------------------|---|
| Conductor(s) | PVC - Polyvinyl Chloride | White, Black, Blue, Brown, Grey, Red, Violet, Pink, Orange, Green, Beige, Black/White, Blue/White, Brown/White, Grey/White, Red/White, Violet/White, Pink/White |

Outer Jacket

| Material | |
|-----------------------------------|--------------------|
| PVC - Polyvinyl Chloride | |
| Overall Cable Diameter (Nominal): | 21.6 mm (0.850 in) |

Electrical Characteristics

Voltage

| Voltage Rating |
|--|
| 450/750 V (Max. Operating Voltage), 4000 V (Testing Voltage) |

Mechanical Characteristics

Temperature

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

Bend Radius

| Installation Min. | Flexing Min. |
|--------------------|----------------------------|
| 86.4 mm (3.40 in) | 324 mm (12.8 in) |
| Bulk Cable Weight: | 764 kg/km (513 lbs/1000ft) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Sunlight Resistance, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54) |
| Flammability / Reaction to Fire: | IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212 |
| ISO/IEC Compliance: | IEC 60228 |

| | |
|--------------------------------|--|
| GENELEC Compliance: | EN 50290-2-22 |
| 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): | VDE 0295, DIN VDE 0207-363-4-1, IEC 60227-5, EN 50525-2-51, BS 6360 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.40 Revision Date: 11-08-2023 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Length |
|-----------------|----------------|--------|
| C18X2.5 010100M | Black | 100 m |
| C18X2.5 010200M | Black | 200 m |
| C18X2.5 010300M | Black | 300 m |
| C18X2.5 006100M | Blue | 100 m |
| C18X2.5 006200M | Blue | 200 m |
| C18X2.5 006300M | Blue | 300 m |
| C18X2.5 G8U100M | Gray, RAL 7001 | 100 m |
| C18X2.5 G8U200M | Gray, RAL 7001 | 200 m |
| C18X2.5 G8U300M | Gray, RAL 7001 | 300 m |

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