



Product: [25G1.5P](#)

MachFlex™ 350YP, 24C+1G 1.5 mm² Str BC, PVC Ins, PUR Outer Jkt

Product Description

MachFlex™ 350YP Control Cable, 24 Conductor + 1 Ground 1.5 mm² Stranded Bare Copper, PVC Insulation, PUR 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. PUR jacket provides with excellent abrasion protection and chemical resistance. |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Stranding Class | Material |
|--------------|-----------------|---------------------|-----------|-----------------|------------------|
| Conductor(s) | 24 | 1.5 mm ² | Stranded | Class 5 | BC - Bare Copper |
| Ground | 1 | 1.5 mm ² | 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, Black #6, Black #7, Black #8, Black #9, Black #10, Black #11, Black #12, Black #13, Black #14, Black #15, Black #16, Black #17, Black #18, Black #19, Black #20, Black #21, Black #22, Black #23, Black #24 |
| Ground | PVC - Polyvinyl Chloride | Yellow/Green |

Outer Jacket

| Material | |
|-----------------------------------|--------------------|
| PUR - Polyurethane | |
| Overall Cable Diameter (Nominal): | 17.1 mm (0.673 in) |

Electrical Characteristics

Voltage

| Voltage Rating |
|--|
| 300 / 500 V (Max. Operating Voltage), 4000 V (Testing Voltage) |

Mechanical Characteristics

Temperature

| Operating | Installation |
|--------------------------------------|-------------------------------------|
| -20°C to +70°C (Occasional movement) | -40°C to +80°C (Fixed installation) |

Bend Radius

| Installation Min. | Flexing Min. |
|-------------------|------------------|
| 68.4 mm (2.69 in) | 171 mm (6.73 in) |

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|--------------------|----------------------------|
| Bulk Cable Weight: | 513 kg/km (345 lbs/1000ft) |
|--------------------|----------------------------|

Standards and Compliance

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|--------------------------------|--|
| Environmental Suitability: | Sunlight Resistance, UV Resistance, Oil Resistance - 70°C x 4h |
| ISO/IEC Compliance: | IEC 60228 |
| 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): | EN 50525-2-51, VDE 0285, VDE 0295, EN 50363-3, EN 50363-10-2, BS 6360 |

Product Notes

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| Notes: | General Reference Standards : VDE 0207-363-3, DIN VDE 0207-363-10-2 |
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History

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| Update and Revision: | Revision Number: 0.19 Revision Date: 01-16-2024 |
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Part Numbers

Variants

| Item # | Color | Length |
|-----------------|----------------|--------|
| 25G1.5P 010100M | Black | 100 m |
| 25G1.5P 010200M | Black | 200 m |
| 25G1.5P 010300M | Black | 300 m |
| 25G1.5P 006100M | Blue | 100 m |
| 25G1.5P 006200M | Blue | 200 m |
| 25G1.5P 006300M | Blue | 300 m |
| 25G1.5P G8U100M | Gray, RAL 7001 | 100 m |
| 25G1.5P G8U200M | Gray, RAL 7001 | 200 m |
| 25G1.5P G8U300M | Gray, RAL 7001 | 300 m |

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