



**Product:** [20C0.25YY](#) 

MachFlex™ LiYY, 20 C 0.25mm<sup>2</sup> Str BC, PVC Ins, PVC Jkt

## Product Description

MachFlex™ LiYY PVC Control & Signal Cables, 20 Conductor 0.25mm<sup>2</sup> 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, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more |
|------------------------|--|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size                 | Stranding | Material         |
|--------------|-----------------|----------------------|-----------|------------------|
| Conductor(s) | 20              | 0.25 mm <sup>2</sup> | Stranded  | BC - Bare Copper |

#### Insulation

| Material                 | Color Code   |
|--------------------------|--|
| PVC - Polyvinyl Chloride | White, Brown, Green, Yellow, Grey, Pink, Blue, Red, Black, Violet, Gray/Pink, Red/Blue, White/Green, Brown/Green, White/Yellow, Yellow/Brown, White/Gray, Gray/Brown, White/Pink, Pink/Brown |

#### Outer Jacket

| Material                          | PVC - Polyvinyl Chloride |
|-----------------------------------|--------------------------|
| Overall Cable Diameter (Nominal): | 8.2 mm (0.32 in)         |

### Electrical Characteristics

#### Electricals

| Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield |
|-------------------------------|---------------------------------|
| 120 pF/m (37 pF/ft)           | 160 pF/m (49 pF/ft)             |

#### Voltage

| Voltage Rating   |
|--|
| 500 V (Max. Operating Voltage), 1500 V (Testing Voltage) |

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 82 mm (3.2 in)  | 32.8 mm (1.29 in) |

|                    |                             |
|--------------------|-----------------------------|
| Bulk Cable Weight: | 102 kg/km (68.5 lbs/1000ft) |
|--------------------|-----------------------------|

### Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Sunlight Resistance, UV Resistance   |
| Flammability / Reaction to Fire: | IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2  |
| ISO/IEC Compliance:              | IEC 60228  |
| CENELEC Compliance:              | EN 50290-2-22, EN 50363-4-1  |
| 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 0812, DIN 47100, BS 6360   |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.57 Revision Date: 01-15-2026 |
|----------------------|---|

## Part Numbers

### Variants

| Item #            | Color          | Length |
|-------------------|----------------|--------|
| 20C0.25YY 010100M | Black          | 100 m  |
| 20C0.25YY 010200M | Black          | 200 m  |
| 20C0.25YY 010300M | Black          | 300 m  |
| 20C0.25YY 006100M | Blue           | 100 m  |
| 20C0.25YY 006200M | Blue           | 200 m  |
| 20C0.25YY 006300M | Blue           | 300 m  |
| 20C0.25YY F2V100M | Gray, RAL 7032 | 100 m  |
| 20C0.25YY F2V200M | Gray, RAL 7032 | 200 m  |
| 20C0.25YY F2V300M | Gray, RAL 7032 | 300 m  |

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