



Product: [2P0.34YY](#)

MachFlex™ LiYY(TP), 2 Pr 0.34mm² Str BC, PVC Ins, PVC Jkt

Product Description

MachFlex™ LiYY (TP) Control Twisted Pair PVC Signal Cables 2 Pair 0.34mm² 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. Twistedpair (TP) design reduced crosstalk effects. |
|------------------------|--|

Construction Details

| Conductor | | | | |
|-----------|-----------------|----------|-----------|------------------|
| Element | No. of Elements | Size | Stranding | Material |
| Pair(s) | 2 | 0.34 mm² | Stranded | BC - Bare Copper |

| Insulation | |
|--------------------------|---------------------------------|
| Material | Color Code |
| PVC - Polyvinyl Chloride | 1. White&Brown, 2. Green&Yellow |

| Outer Jacket | |
|-----------------------------------|--------------------------|
| Material | PVC - Polyvinyl Chloride |
| Overall Cable Diameter (Nominal): | 6.1 mm (0.24 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. |
| 61 mm (2.4 in) | 24.4 mm (0.961 in) |

| | |
|--------------------|--------------------------|
| Bulk Cable Weight: | 37 kg/km (25 lbs/1000ft) |
|--------------------|--------------------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Sunlight Resistance, UV Resistance |
| Flammability / Reaction to Fire: | IEC 60332-1-2, VDE 048233212, DIN EN 6033212 |
| 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: 0.49 Revision Date: 07-04-2024 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Length |
|------------------|----------------|--------|
| 2P0.34YY 010100M | Black | 100 m |
| 2P0.34YY 010200M | Black | 200 m |
| 2P0.34YY 010300M | Black | 300 m |
| 2P0.34YY 006100M | Blue | 100 m |
| 2P0.34YY 006200M | Blue | 200 m |
| 2P0.34YY 006300M | Blue | 300 m |
| 2P0.34YY F2V100M | Gray, RAL 7032 | 100 m |
| 2P0.34YY F2V200M | Gray, RAL 7032 | 200 m |
| 2P0.34YY F2V300M | Gray, RAL 7032 | 300 m |

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.