



Product: <u>3P0.25YCY</u> ☑

MachFlex™ LiYCY(TP), 3 Pr 0.25 mm² Str BC, PVC Ins, TCBS, PVC Jkt

# **Product Description**

MachFlex™ LiYCY(TP) Control Twisted Pair PVC Signal Cables 3 Pair 0.25 mm² Stranded Bare Copper, PVC Insulation, Tinned Copper Braid Shield, 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. Tinned cooper braid shield ensure the cables with excellent noise immunity. Twistedpair (TP) design reduced crosstalk effects

## **Construction Details**

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	3	0.25 mm <sup>2</sup>	Stranded	BC - Bare Copper

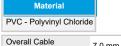
## Insulation

Material	Color Code	
PVC - Polyvinyl Chloride	1. White&Brown, 2. Green&Yellow, 3. Gray&Pink	

## **Outer Shield**

Shield Type	Material
Braid	Tinned Copper (TC)

### Outer Jacket



Overall Cable Diameter (Nominal): 7.0 mm (0.28 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.
105 mm (4.13 in)	42 mm (1.7 in)

Bulk Cable Weight: 60 kg/km (40 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: 0.53 Revision Date: 07-04-2024

# **Part Numbers**

#### Variants

Item #	Color	Length
3P0.25YCY 010100M	Black	100 m
3P0.25YCY 010200M	Black	200 m
3P0.25YCY 010300M	Black	300 m
3P0.25YCY 006100M	Blue	100 m
3P0.25YCY 006200M	Blue	200 m
3P0.25YCY 006300M	Blue	300 m
3P0.25YCY F2V100M	Gray, RAL 7032	100 m
3P0.25YCY F2V200M	Gray, RAL 7032	200 m
3P0.25YCY F2V300M	Gray, RAL 7032	300 m

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