



Product: [C7X10CY](#)

MachFlex™ 375CY, 7C 10 mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 7 Conductor 10 mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PVC 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. Tinned copper braid shield ensures cables with excellent noise immunity
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Construction Details

Conductor					
Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	7	10 mm²	Stranded	Class 5	BC - Bare Copper

Insulation		
Element	Material	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	White, Black, Blue, Brown, Grey, Red, Violet

Outer Shield	
Shield Type	Material
Braid	Tinned Copper (TC)

Inner Jacket	
Material	
PVC - Polyvinyl Chloride	

Outer Jacket	
Material	
PVC - Polyvinyl Chloride	

Overall Cable Diameter (Nominal):	24 mm (0.94 in)
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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.

144 mm (5.67 in)	480 mm (19 in)
Bulk Cable Weight:	1144 kg/km (768.7 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
CENELEC 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: 0.34 Revision Date: 11-15-2023
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Part Numbers

Variants

Item #	Color	Length
C7X10CY 010100M	Black	100 m
C7X10CY 010200M	Black	200 m
C7X10CY 010300M	Black	300 m
C7X10CY G8U100M	Gray, RAL 7001	100 m
C7X10CY G8U200M	Gray, RAL 7001	200 m
C7X10CY G8U300M	Gray, RAL 7001	300 m
C7X10CY 368100M	Transparent	100 m
C7X10CY 368200M	Transparent	200 m
C7X10CY 368300M	Transparent	300 m

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