Product: C7X2.5CY

MachFlex™ 375CY, 7 C 2.5mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 7 Conductor 2.5mm² 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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	2.5 mm²	Class 5	BC - Bare Copper	7

Conductor Count:	7

Insulation

Material
PVC - Polyvinyl Chloride

Color Chart

Color
White
Black
Blue
Brown
Grey
Red
Violet

Outer Shield

Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	15.8 mm

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
7.98 Ohm/km

Voltage

Dielectric Withstand Voltage	Non-UL Description	Non-UL Voltage Rating

4000 V	IEC:	450/750 V

Temperature Range

Installation Temperature Range:	-40°C to +80°C
Operating Temperature Range:	-5°C to +70°C

Mechanical Characteristics

Oil Resistance:	Yes
UV Resistance:	Yes
Bulk Cable Weight:	406 kg/km
Min. Bend Radius During Installation:	6 x OD
Min. Bend Radius During Operation:	20 x OD

Standards

Other Specification:	IEC 60227-5, EN 50525-2-51, VDE 0281-13

Applicable Environmental and Other Programs

EU Directive 2011/65/EU (RoHS 2):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Oil Resistance:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
Other Flammability:	DIN VDE 0482-332-1-2, DIN EN 60332-1-2

Related Part Numbers

Variants

Item #	Color	Length
C7X2.5CY 01050M	Black, RAL 9005	50 m
C7X2.5CY 010100M	Black, RAL 9005	100 m
C7X2.5CY 010200M	Black, RAL 9005	200 m
C7X2.5CY 36850M	Clear, Transparent	50 m
C7X2.5CY 368100M	Clear, Transparent	100 m
C7X2.5CY 368200M	Clear, Transparent	200 m
C7X2.5CY G8U50M	Gray, RAL 7001	50 m
C7X2.5CY G8U100M	Gray, RAL 7001	100 m
C7X2.5CY G8U200M	Gray, RAL 7001	200 m

History

Update and Revision:	Revision Number: 0.32 Revision Date: 04-08-2022

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